deccan

Krishnamurthy N <krishnamurthy@deccanchemicals.com>

Environmental Statement (Form-V) 2023-2024.

Krishnamurthy N <krishnamurthy@deccanchemicals.com> Sat, Sep 28, 2024 at 12:03 PM
To: Appcb Rovsp <rovspappcb@gmail.com>
Bcc: SEZ ETP <sez.etp@deccanchemicals.com>

Dear sir,
Please find the attachment of Deccan Environmental Statement (Form-V) for the year 2023-24 .
This is for your information and record .

--
Best Regards,

Krishna Murthy Narra
Associate Director-Environment & Ecology Dept.
Deccan Fine Chemicals (I) Private Limited,
Kesavaram(V) , Venkatanagaram (Post)
Payakaraopeta, Visakhapatnam-531 127
Mobile :9000334590, 9849051511

Environmental Statement (Form-V) 2023-24.pdf
4204K

Deccan Fine Chemicals (India) Private Limited
Kesavaram, Venkatanagaram Post, Payakaraopeta Mandal,
Visakhapatnam District, Andhra Pradesh, 531 127, India
Tel. +91 8931 204045

Lr. No: DFCL/ES /2023-24/01 Date:28.09.2024

To

The Environmental Engineer,
Andhra Pradesh Pollution Control Board,
Regional Office, Main Road,
Madhavadhara Vuda colony
Visakhapatnam -530 018

Dear Sir,

Sub: Submission of Environmental Audit Statement (FORM-V) for the year 2023-24.

Ref: CFO order No: APPCB / VSP / 209 / HO /CFO/ 2011 Dated :10.01.2024.

XXXX

With reference to the above subject, herewith we are submitting the Environmental Statement (FORM-V) for the year 2023-24 as per rule of No.14 of Environmental (Protection) Rules ,1986 & amendment there of

We request you kindly accept and acknowledge receipt of the same.

Thanking You

Yours sincerely,

For Deccan Fine Chemicals (India) Pvt. Ltd.,

28/09/24

Krishna Murthy Narra
Associate Director-Environment & Ecology Department

A.P. Pollution Control Board Regional Office, Visakhapatnam 30/9/2024

Enclosure: 1. Environmental Statement (FORM-V) for the year 2023-24.

CC to 1. Member Secretary, APPCB, Head Office , Autonagar, Vijayawada-520 010
2. JCEE, Zonal Office, Beside RTA office, Madhavadhara vuda colony, VSP.

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ENVIRONMENTAL STATEMENT

SEPTEMBER – 2024

M/s. Deccan Fine Chemicals (India) Pvt. Ltd,

Kesavaram (V), Venkatanagaram Post,
Payakaraopeta Mandal,
Anakapalli (District) - 531127

PREPARED BY:

TEAM LABS & CONSULTANTS
Environmental engineers & consultants in pollution control

LIST OF CONTENTS

1.0 PURPOSE AND ADVANATGES OF ENVIRONMENTAL STATEMENT STUDIES

The Environmental statement studies serve the following three basic purposes:

i) Compilation of the complete information on the operation of the industrial facility and its potential sources of pollution through technical inspection. This inspection, which is conducted at a facility, allows the activities that are programmed and entrusted to the operational branches to be carried out in order to correct the different problems detected at their source or to force conservation and maintenance measures need to prevent major pollution problems.

ii) Evaluation of the conditions surrounding the industrial facility in order to estimate possible impacts, which may be caused, and the suggested recovery measures for such situations.

iii) Preparation and implementation of action plans for better control of the environment, and the environmentally related industrial activities, including further developmental activities of the areas.

The primary and obvious advantage of preparation of environmental statement is to help and safeguard the environment and to substantiate compliance with local, regional and national laws and regulations, and with the company policy and standards. There can be several other benefits, the importance of which may vary from situation to situation. These benefits include:

i) Reduced exposure to litigation and regulatory risk (e.g. prosecutions, penalties etc.) – facilitating comparison and interchange of information between operations or plants.
ii) Increasing employer awareness of environmental policies and responsibilities.

iii) Identifying potential cost – savings including those resulting from waste minimization.

iv) Evaluating training programmers and providing data to assist in training personnel.

v) Providing an information base for use in emergencies and evaluating the effectiveness of emergency response arrangements.

vi) Assuring an adequate, up-to-date environmental data base for internal management awareness and decision making in relation to plant modification, new plants etc.

vii) Enabling management to give credit for good environmental performance.

viii) Helping to assist relations to authorities by convincing them that complete and effective statement are being undertaken.

ix) Facilitating and obtaining of insurance coverage for environmental impairment liability.

2.0 SUMMARY

2.1 INTRODUCTION:

M/s Deccan Fine Chemicals (India) Private Limited is located at Survey No 63-75, 80-83, 84-108 of Kesavaram village, 52-56, 146-150 of Rajavaram village, Venkatanagaram Post, Payakaraopeta Mandal, Anakapalli District, Andhra Pradesh, obtained Consent and authorization (CFO)for manufacturing 110.0 TPD Technical grade Agro Chemicals and Fine Chemicals vide Lr. No. APPCB/VSP/209/HO/CFO/2011 dated 10thJanuary'2024.

Environmental statement report is a commitment by M/s. Deccan Fine Chemicals (India) Pvt. Ltd., to minimize the impact of its operations on the environment M/s. Deccan Fine Chemicals (India) Pvt. Ltd., is also committed to the principles of cleaner production and waste minimization.

Environmental statement report is being developed in conjunction with the regulatory authorities, APPCB, and is in full compliance with relevant Industry codes of practice.

M/s. Deccan Fine Chemicals (India) Pvt. Ltd., assigned to M/s. TEAM LABS & CONSULTANTS, Visakhapatnam to provide consulting services to conduct "Environment Statement" studies. TEAM LABS & CONSULTANTS has carried out an analysis of the activities of plant affecting the environment.

The subject matter of the study/analysis are:

- Process statement
- Water and waste water statement
- Compliance statement
- Health and safety statement

2.2 METHODOLOGY:

Audit programmer was carried out at M/s. Deccan Fine Chemicals (India) Pvt. Ltd., in 3 phases:

1. Pre-statement activities.
2. On-site activities.
3. Post-statement activities.

3.0 SCOPE OF ENVIRONMENTAL STATEMENT:

The scope of Environmental statement envisages.

Facilitating Management Control of Environmental Practices on Plant's performance, economical benefit and environmental situation.

Assessing compliance with M/s. Deccan Fine Chemicals (India) Pvt. Ltd., policy and Standards, which would include meeting regulatory requirements.

Develop and draw recommendations based on material, water and energy balance scenarios. Site assessment proceeding specific questionnaires, plant

surveys, interviews with the plant staff and the specific documentation provided by the company on request have been used as work tools to carry out an environmental analysis.

The environmental statement here reported has considered the activities concerning techno legal standpoints.

The subject matter of the analysis are the environmental effects connected with:

- Process statement
- Energy statement
- Water and wastewater statement
- Environmental quality statement
- Health and safety statement

The work is organized according to chapters concerning the single environmental sections mentioned above, after a general description of the M/s. Deccan Fine Chemicals (India) Pvt. Ltd., Based on the above scenarios, conclusion and recommendations are included.

4.0 REPORTING AND REVIEW:

The management of M/s. Deccan Fine Chemicals (India) Pvt. Ltd., are reporting to the A.P pollution control board on the progress of agreed actions on improvement of Environment.

The follow-up actions to the environmental statement are reviewed annually by M/s. Deccan Fine Chemicals (India) Pvt. Ltd., to assess progress and provide input to future improvement goals and actions.

5.0 ENVIRONMENTAL ISSUES:

The following environmental issues are addressed in the M/s. Deccan Fine Chemicals (India) Pvt. Ltd., Environmental statement report.

- Air Emissions – Vents
- Air – "Fugitive Emissions"
- Water & Wastewater – Domestic
- Solid waste
- Noise

6.0 IMPLEMENTATION AUDIT:

The audit was performed at plant site during March 2021, according to TEAM LABS & CONSULTANTS programmer, Management team of M/s. Deccan Fine Chemicals (India) Pvt. Ltd., presenting plant's process development and environmental issues, functioned as contact persons for the auditors and gave valuable contributions to the audit results. A list of meetings held with plant's representatives.

The implementation of on-site audit was conducted as follows:

1. Presentation of the plant by the managers of M/s. Deccan Fine Chemicals (India) Pvt. Ltd.,
    a. Organization.
    b. Functions of each and every unit operations.
    c. Layout descriptions and flow sheets, etc.,
2. Analysis of the environmental issues:

Presence of authorization to water discharge, temporary dumping of waste and emissions in atmosphere, noise emissions along with the accomplishments connected with the safety and health aspects and prevention of accidents.

- Description of emissions;
- Presence of Bore wells;
- Evaluation of noise levels;
- Evaluation of work atmosphere for health aspects;
- Prevention, internal environment, safety.

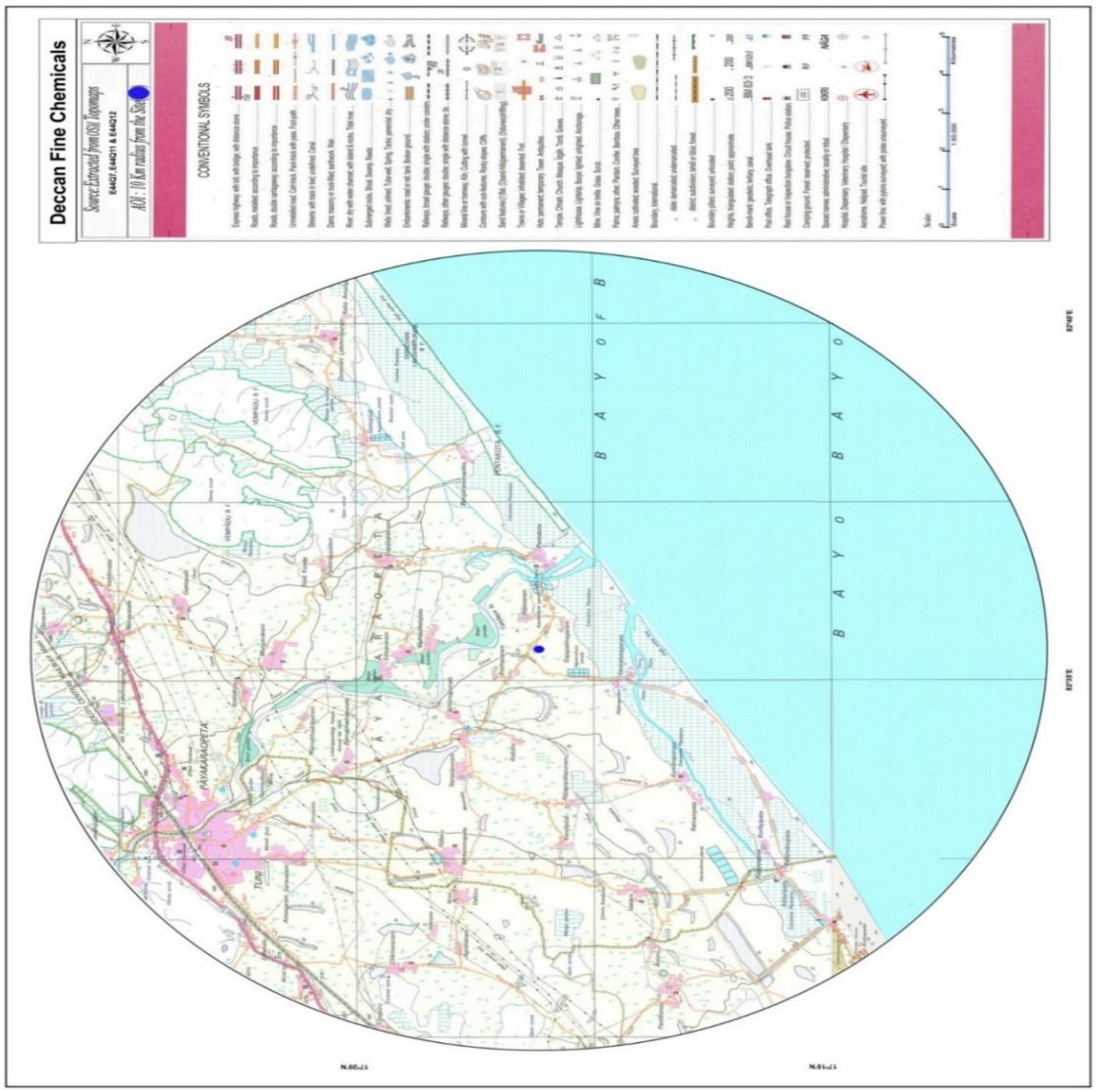
- Performance Evaluation of Effluent Treatment Plant, Water Softening Plant

3. Documentation concerning the audit purpose - Plant Survey.

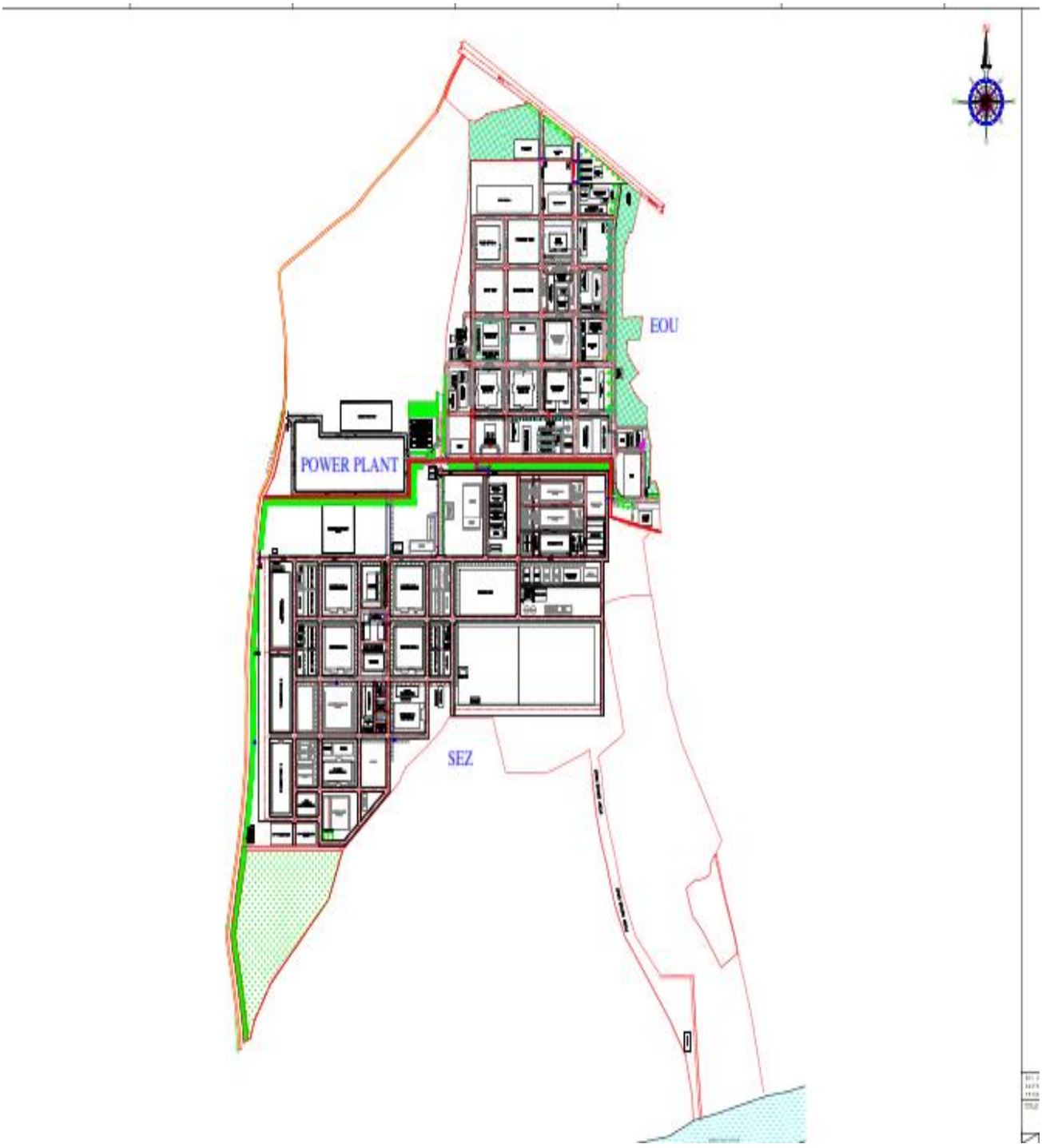
7.0 LOCATION OF THE PROJECT

The plant is located at at Survey Nos. 63-75, 80-83, 84-108 of Kesavaram village, 52-56, 146-150 of Rajavaram village, Venkatanagaram Post, Payakaraopeta Mandal, Anakapalli District, and Andhra Pradesh. The plant site is located at about 5-8 mts above mean sea level having a longitude and latitude 82^0 35' 25.4" (E) and 17^0 17' 56.75" (N) respectively according to the Survey of India Topo sheet.The site is surrounded by open lands in south and west directions except in north direction the road connecting tuni and pentakota is and road connecting Kakinada and Tuni is in east direction of the plant. The nearest habitation from the site is Gajapatinagaram located in NE direction. The nearest railway station is Tuni at a distance of 8.6 km in NW direction. The access to the site is Kesavaram to Pentakota. The National highway connecting Tuni – Visakhapatnam (NH 5) is at a distance of 8.7 km in NW direction. The nearest Air port is

Visakhapatnam is located at a distance of 78.5 km in NE direction. Tandava River is at a distance of 1.2 km in NE, flowing from NW to SE, Bay of Bengal is at a distance of 2 km in southeast direction. Vempadu RF is at a distance of 4.5 km in NE direction. The slope of the region is from north to south direction. There are no national parks or sanctuaries and ecologically sensitive areas within the impact area of 10 km.The location map and site layout is as shown in **Fig 1.1 and Fig 1.2.**



8.0. SITE LAYOUT



9.0 List of approved Products

S.No	Name of the approved Products	As per CFO dt 10.01.2024			Starting Key material	TPA
		TPA	TPD	No of Stages		
1	2-Coumaranone (100% Basis)	10	0.03	4	2-chlorobenzylnitrile	15.2
2	D-Alaninester	10	0.03	2	S-MethylLactate	5.20
3	Amicarbazone.	600	1.64	5	Tertbutyl Alcohol	198
4	Buprofezin	10	0.03	5	N-Methylaniline	3.73
5	Clethodim	5600	15.34	10	EthylMercaptane	1349
6	Daimuron	250	0.68	3	AlphaMethylStyrene	117.5
7	DEMBB (2,6-Diethyl-4-methyl-Bromobenzene)	10	0.03	2	Pentan-1-ol	4.31
8	Difenconazole	4000	10.96	5	p-chlorophenol	1400
9	Fenbuconazole	200	0.55	3	BenzylCyanide	98.4
10	Flucarbazone	10	0.03	3	SodiumThiocyanide	4.54
11	Flumetralin	10	0.03	3	2-Chloro-6-fluoro benzylchloride	4.5
12	Folpet	10	0.03	2	CarbonDisulfide	2.7
13	Methoxy-AA	50	0.14	2	2-Methoxyethanol	19.5
14	Metobromuron	100	0.27	3	PhenylIsocyanate	58
15	Myclobutanil	300	0.82	3	Parachloro phenylAcetonitrile	174
16	N,N-dimethyl-4-nitro-2-sulfanoylbenzamide (Ausura or Product 5)	10	0.03	8	2-methyl-5-nitrobenzene sulfonic acid	8.71
17	Para Benzoquinone	10	0.03	1	Hydroquinone	10.4
18	Pretilachlor	10	0.03	2	2,6Diethylaniline	5.3
19	Prodiamine	1400	3.84	3	2,4 DichloroBenzotrifluoride	938
20	Propiconazole	20	0.05	2	2,4DichloroAcetophenone	11.8
21	Pyraflufin ethyl (ET-751)	70	0.19	8	p-Fluorophenol	25.2
22	Pyridate	750	2.05	6	Acetophenozne	517.5
23	Sulfentrazone	15	0.04	6	Phenylhydrazine	6
24	Tacsifun	1100	3.01	4	4-ChlorophenylAceticAcid	891
25	Tebufenozide	100	0.27	2	p-Ethylbenzoylchloride	58
26	Tricyclazole	10	0.03	4	O-Toludine	7
27	Vulkalent-E	600	1.64	3	Anilline	156
28	5,7-dichloro-4-hydroxyquinoline-3-carboxylic acid (DCHQ)	10	0.03	4	3,5DichloroAniline	7.32
29	Quinoxyfen	180	0.49	3	DCHQacid	167.4
30	3-Bromo-1-(3-Chloro-2-pyridinyl)-1H-pyrazole-5-Carboxylic acid (DBC80)	10	0.03	6	2,3-dichloropyridine	5.9
31	2-Amino-5,8-dimethoxyl [1,2,4] triazolo[1,5-c]pyrimidine (DAT)	10	0.03	3	Ethylcarbonochloride	6.2
32	9-dichloromethylene-2,3,4,6,7,8-hexahydro-1H-1,4-methanona phthalen-5-one oxime.(DCO-NBE or STL8)	400	1.10	2	Hydroxyketone	432
33	1,6-Bis(N,N-dibenzylthiocarba moylditho) hexane (Vulcuren)	600	1.64	3	Dibenzylamine	102
34	(E)-N^1-[(6-Chloro-3-pyridyl) methyl]-N^2-Cyano-N^1-methyl acetamidine. (Acetamiprid)	10	0.03	2	2-Chloro-5-(Chloro methyl) Pyridine	7.73
35	(E)-(5,6-dihydro-1,4,2-dioxazin-3-yl)(2-hydroxyphenyl) methanone O-	100	0.27	8	MethylSalicylate	81.3

	methyl oxime. (Dioxazin phenol)					
36	Valifenalate	150	0.41	5	4-hlorobenzaldehyde	52.5
37	3-Chloro-2,6-Diethylaniline (CDEA)	250	0.68	3	2,6-Diethylaniline	227.5
38	Fluoxastrobin	200	0.55	4	2-chlorobenzaldenhyde	188
39	Aclonifen	10	0.03	1	Phenol	3.6
40	Oxadiargyl	10	0.03	2	OxiciazonPhenol-Oxa	11.16
41	Benfuresate	10	0.03	2	2-hydroxy-3,3-dimethyl-2,3-di hydro -1-benzo furan-6-ylethanesulfonate	11.41
42	Flupicolide	10	0.03	5	Ethylaminoacetate	4.38
43	Diuron	10	0.03	1	3,4-Dichloro phenyl Isocyanate	9.09
44	CPTAP	10	0.03	4	2-Bromo propane	5.15
45	Thiamethoxam	20	0.05	1	2-chloro-5-(chloro methyl) 1,3-thiazole	11.8
46	Dimethachlor	500	1.37	2	2,6-dimethylaniline	260
47	2,2'-disulfanediylbis(8-fluoro-5-methoxy [1,2,4]triazolo[1,5-c]pyrimidine) (DMDS)	10	0.03	3	2-Fluoro-4Hydrazinyl-2-methox pyrimidine	10.4
48	ABA HCl	10	0.03	2	Dimethyl-5-nitro benzene-1,3-dicarboxylate(DNDC)	7.77
49	Activated Carbon	50	0.14	2	RiceHusk	568.74
50	Isoxaben	300	0.82	5	2-Ethyl-2-Methyl butyricacid	261
51	Florarsulam	200	0.55	6	2-methoxy-5-Fluorouracil	93.4
52	Pyroxsulam	250	0.68	4	Butullithium	40.75
53	Penoxulam	75	0.21	1	3-trifluoromethylphenol	31.8
54	Pyrazolynate AI or Pyrazolate AI	75	0.21	4	Methylacetoacetate	21.75
55	Dimethyl 2,3,5,6 tetrachlorobenzene-1,4-dicarboxylate (Dacthal)	250	0.68	3	Tetrachlorobenzene-1,4-Dinitrile	215
56	Quinofumelin Tech	10	0.03	5	2-methyl-1-henylpropan-2-ol	5.3
57	Dinotefuran	1000	2.74	4	Dimethylsulfate	1137
58	4) N-(2-(3-phenylureido) phenyl) benzenesulfonamide (NKK-1304)	1500	4.11	2	Benzene-1,2-diamine	465
59	Trifludimoxazin (BAS 850H) (DB-5)	180	0.49	9	EthylBromodifluoroacetate	111.6
60	5-(methoxymethyl)pyridine-2,3-dicarboxylic acid(MMPDC)	150	0.41	6	Formaldehyde	43.5
61	N-Propyl-thiophosphoryltriamide (NPPT)	260	0.71	2	Phosphoryltrichloride	306.8
62	1-methyl-2-[(2-methylphenyl) methoxy]-5-(propan-2-yl)-6-oxabicyclo [3.1.1]heptane (Cinmethylin) (684H)	20	0.05	2	2-(4-methylcyclohex-3-en-1-yl) propan-2-ol	11.94
63	Bromo Chloro Cumene (BCC)	10	0.03	3	P-nitrocumene	8.32
64	Ester amide	400	1.10	6	Carbondioxide	64
65	5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole (Cyanopyrazole)	1800	4.93	2	Ethylcyanoacetate	666
66	2-Bromo-4-Fluoro-acetanilide (BFAA)	900	2.47	2	2-fluoroaniline	459
67	4-chloro-2-fluoro-3-methoxy phenylbororonic acid (PBA)	50	0.14	5	2-fluorophenol	31.25
68	4-acetyl-2methylbenzoic acid (AMBA)	700	1.92	3	2-Fluorotoluene	469
69	3,5-Dichloro-4-Fluoro-Trifluoroacetophenone (DCF-TFAP)	50	0.14	3	2-bromo-1,3-dichloro-2-fluoro Benzene	50
70	4-(2-Aminoethyl)-2-Methoxy-phenol (AE-Phenol)	200	0.55	2	Vanillin	192

71	3-Methyl-benzamido-2-fluoro-benzoic acid (MFBA)	30	0.08	3	3-chloro-2-fluoraniline	18
72	1,1'-bi(cyclohexyl)-2,4'-dicarboxylic acid (DCHDA)	10	0.03	3	Dimethyl biphenyl-2,4-dicarboxylate	6.57
73	2-bromo-1-fluoro-4-(trifluoromethyl) benzene (BFBTF)	10	0.03	3	3-(trifluoromethyl)aniline	7.77
74	1-(2,2-difluoroethoxy)-2-(propylsulfany)-3(trifluoromethyl)benzene (DETS)	10	0.03	6	2-chloro-l-nitro-3-(trifluoromethyl)–benzene	8.89
75	3,3-disulfanediylbis(5-ethoxy-7-fluoro[1,2,4]trizolo[4,3-c]pyrimidine (DEDS)	200	0.55	6	4,6-dichloro-2-ethoxypyrimidine	214
76	Chlorasulam Methyl	400	1.10	2	Cyanamide	61.6
77	Diclosulam	700	1.92	12	Cyanamide	105
78	Flumetsulam	200	0.55	6	3-Amino-5-mercapto-1,2-4-triazole (AMT)	79
79	2,6 Difluoroanilline (2,6-DFA)	10	0.03	2	2,6-difluorobenzonitrile	4.38
80	Sulfoxaflor (isoclast)	800	2.19	2	2-(trifluoromethyl)-5-(1-(methylthio)ethyl)pyridine	680
81	Pyraxalt (RAB 55) (Triflumezopyrim)	200	0.55	2	Disodium [3-9trifluoromethyl) phenyl]propanedioate	156
82	5-fluoro-4-hydrazinyl-2-methoxypyrimidin (FHMP)	10	0.03	2	5-fluoro-2-methoxypyrimidin-4-ol	10.62
83	(S)-1,1-bis(4-fluorophenyl)propan-2-yl,L-alanninatehydrochloride (XDE-647) (RM for 659)	100	0.27	54	1-bromo-4-fluorobenzene	110
84	N-(pyrimidin-5-ylmethyl)pyridine-2-amine (RPA -19)	10	0.03	2	pyrimidine-5-carbaldehyde	6.79
85	Famaxadone	200	0.55	2	Diphenylether	100
86	Picoxystrobin	10	0.03	2	2-fluoro-6(trifluoromethyl) pyridine	4.8
87	Amino(4-chlorophenyl)acetic acid (PCPG) for CLP	50	0.14	2	4-Chlorobenzaldehyde	40.5
88	Chlorfenapyr (CLP)	1000	2.74	5	Acrylonitrile	140
89	N-ethylpyridazin-4-amine (EAP)	50	0.14	5	3,4-dichlorofuran-2,5-dione	44
90	5-methyl-1-(3-methylbutan-2-yl)-1,H-prrazole-4-carboxylic acid (XXX Acid)	30	0.08	5	Ethyl3-oxobutanoate	21.61
91	Clothianidin	50	0.14	4	1-nitroguanidine	24.02
92	Cyproconazole	200	0.55	5	4-chlorobenzaldehyde	50
93	Disulfide	300	0.82	1	Cyanopyrazole(Pyrazole)	2.82
94	Dithianon	50	0.14	3	Sodiumcyanide	18.4
95	2,4,6-tri([1,1'-biphenyl]-4-yl)-1,3,5-triazine (TBPT)	100	0.27	1	2,4,6-trichloro-1,3,5-triazine(cyanuric chloride)	35
96	Propargyl Chloride (PGCL)	20	0.05	1	Prop-2-yn-1-ol	14.24
97	Mandipropamid	400	1.10	2	Phthalic acid,di(2-(4-chlorophenoxy)ethyl)easte (PGCMEster)	244
98	2,4,6-trichloroaniline (TCAN)	10	0.03	1	Aniline	5.37
99	Acibenzalor	150	0.41	4	3-Aminobenzoicacid	109.5
100	2-(2,4-dichlorophenyl)cyclobutanone (DCP Ketone)	10	0.03	3	Dichlorophenylacetonitrile	10.29
101	3-chloro-5-(trichloromethyl)cyclopentene (CTCM-CP)	500	1.37	2	Tricyclo[5.2.1.o2,6]deca-3,8-diene (DCDP)	320

102	4,6-dichloro-5-fluoropyrimidine (DCFP)	100	0.27	4	Diethylpropanedioate ester	105.45
103	5-methypyrazine-2-carboxylic acid (5-MPC)	10	0.03	2	Diaminomaleonitrile	9.09
104	3-chloro-2-ethenylphenyl methanesulfonate (CVPMS)	100	0.27	5	1-Chloro-2-methyl-3-nitrobenzene	85
105	4-Fluoro-3-phenoxybenzaldehyde (4-FPBA)	20	0.05	4	4-Fluorobenzaldehyde	11.86
106	O-Methylhydroxylamine HCl (OMA-HCL)	1000	2.74	1	SodiumNitrite	850
107	Chlorantraniliprole (CTPR)	10	0.03	2	3-bromo-1-(pyridin-2-yl)-1H-pyrazole-5-carboxylicacid	6.46
108	N-methoxy-1-(2,4,6-trichlorophenyl)-propan-2-amine (MOAT)	10	0.03	3	2,4,6-trichloeoaniline(TCAN)	8.76
109	3-Hydroxybicyclo[3.2.1]oct-3-en-2-one (Bicyclo-octan-dione)(BIOD)	10	0.03	4	Bicyclo[3.1.1]hept-1-ene(Norbornene)	8.43
110	Aminocyclopyrachlor (ACP/MAT28)	200	0.55	5	Cyclopropanecarboxamide	88.8
111	Piperidine-4-carbothioamide (PITAM)	150	0.41	3	Isonicotinamide	139.5
112	Tefuryltrione (AE-473)	100	0.27	1	6-chloro-3-(methylsulfonyl)-2-[(tetrahydrofuran-2-yl methoxy)methyl]benzoicacid	81
113	3,4-dichloroisothiazole-5-carboxylic acid (DCIT acid)	220	0.60	3	Sodiumcyanide	118.8
114	11-(dichloromethylidene)6-hydroxytricyclo [6.2.1.02,7]undecan-3-one (DCQ-NBE) (DS-4)	250	0.68	2	3-chloro-5-(trichloromethyl)cyclopentene (CTCM-CP)	230
115	3,3-dimethylbutanoyl chloride (DMBC)	50	0.14	3	1,1,2-trichloroethane	55.7
116	Tralopyril (TLP)	350	0.96	5	p-chlorophenylglycine	155.4
117	DCIT Acid (550 I Acid)	550	1.51	8	5-methyl-1-(3-methylbutan-2-yl)-1H-pyrazole-4-carboxylic acid(550Acid)	303.05
118	1,3,3-trimethyl-2,3-dihydro-1H-inden-4-amine (RATM)	250	0.68	5	2,2,4-trimethyl-1-2-dihydroquioline(TMDQ)	155
119	(S)-1,1-bis(4-fluorophenyl)propan-2-yl(3-acetoxy-4-methoxypicolinoyl) -L-alaninate (XDE-659)	50	0.14	4	3-hydroxy-4-methoxypicolinicacid	55.49
120	Fenpicoxamid (XDE-777)	50	0.14	3	AE-834	8.07
121	N-(3,3-dimethylcyclohexyl)-6-(2-methylphenyl)-2,3-dihydro-1H-pyrrolo[2,3-b]quinoline-2-carboxamide (MLX6G)	10	0.03	5	4-Cyclohexylphenol	4.86
122	Tefuryltrione (AE-513)	10	0.03	5	AE-834	6.19
123	5-Chloro-2-(4-chlorophenoxy)aniline sulfate (1:1) (CADOM)	150	0.41	4	Methyl 4-chloro-3-Oxobutanoate	70.5
124	Methyl (2Z)-2-[1-(2,4-dichlorophenyl)-2-(3-hydroxy-2-oxo-2,3-dihydro-1H-indol-3-YL)ethylidene]hydrazinecarboxylate (KNF1934)	150	0.41	4	Bis(4-chlorophenyl) acetic acid	70.5
125	(Z)-1,3-diphenylprop-2-en-1-one (CIS-Chalcone)	750	2.05	2	CS-Amide (s)	424.5
126	Methyl 2,2-bis(4-chlorophenyl)-6-	100	0.27	6	Methyl 2-Phenyl	42.5

	cyanohexanoate (Oxaziclomefone/ (MY -100)				Acetate (MPA)	
127	6-iodo-2-propoxy-3-propyl-4(3H)-quinazolinone (Proquinazid)	300	0.82	2	KV-545	293.4
128	2-[2-chloro-4-methylsulfonyl-3-(oxolan-2-ylmethoxymethyl) benzoyl]cyclohexane-1,3-dione (Tefuryltrione)(XDE-747)	200	0.55	2	2-Methoxy-4-Nitrophenol	80
129	5-amino-l-[2,6-dichloro-4-trilluoromethyl)pheny1]-4- [(ethyl)-sulfinyl]-1H-pyrazole-3carbonitrile (Ethiprole)	1600	4.38	3	Diethyl disulfide	521.6
130	4-(5-(3,5-Dichloro-4-fluorophenyl)-5-(trifluoromethyl)-4,5-dihydroisoxazol-3-yl)-N-(2-ethyl-3-oxoisoxazolidin-4-yl)-2-methylbenzamide (Plinazolin or Isocycloseram)	200	0.55	1	CS-Chalcone	200
131	Methyl 4-amino-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)pyridine-2-carboxylate (Halauxifenmethyl/ Arylex)	100	0.27	2	Aminopyralid	32.6
132	Benzyl 4-Aminio-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl)-5-fluoropyridine-2-carboxylate (Florpyrauxifenbenzyl/ Rinskor)	100	0.27	1	(benzyl 4-amino-6-bromo-3-chloro-5-fluoropyridine-2-carboxylate	84.5
133	(4R)-2-oxooxazolidine-4-carboxylic acid (COX)	15	0.04	2	D-Serine	12.75
134	9-dichloromethylene-8-hydroxyoctahydro-1,4-methanonaphthalen-5-one 1,3-Adamantanedicarbonyl chloride (DS-5 & 6)	100	0.27	2	DS- I Product	103.5
135	N,N-dimethyl-3-[(trifluoromethyl)sulfanyl]aniline (PSI)	100	0.27	5	Ethyl Vinyl Ether	35.5
136	1-methoxy-1-methyl-3-phenyl urea (MMPU)	50	0.14	2	Hydroxylamine sulfate	34.75
137	5-methylpyridine-2,3-dicarboxylic acid (5-MPDC)	200	0.55	5	Foraldeyde	36
138	R&D and Pilot plant products	500	1.37		----	----
	TOTAL	**40150**	**110.00**		----	----
139	**Co-Gen Power Plant (MW)**		**1X25**		----	----
140	**Co-Gen Power Plant (MW)**		**1X37**		----	----
141	**Phosgene Gas for Captive consumption (TPD)**		**14.0**		Carbon Monoxide	4.025

By-Products

S.No	By-Product	Qty
01	Sodium bisulphate(30%) KLD	61.47
02	Spentacid containing Sulphuric acid(60%) KLD	127.59
03	HCl solution (20%)KLD	49.81
04	Aluminium chloride KLD	30.45
05	Potassium Chloride TPD	6.46
06	Sulphur salt TPD	1.50
07	Ammonium chloride salt TPD	2.0

10.0 COMPLIANCE STATEMENT

10.1 INTRODUCTION:

Compliance Statement aims at investigating the status of the environmental management systems and equipment vis-à-vis the regulatory requirements. Proper operation and maintenance practices helps in reducing emissions from the Industry to arrest Environmental Quality deterioration.

10.2 AIR QUALITY AND COMPLIANCE

AIR QUALITY MONITORING:

Ambient Air Quality is monitored at M/s. Deccan Fine Chemicals (India) Pvt. Ltd., in four locations within the plant area i.e., locations is at Near Security Office, Near Ware House, Near ETP and Near Production Block for determining the parameters of Sulphur Dioxide (SO2), Nitrogen Oxides (NOX), Suspended Particulate Matter (SPM).

10.3 NOISE LEVELS:

The Noise Level measurements were within the plant premises of M/s. Deccan Fine Chemicals (India) Pvt. Ltd., to determine the compliance with respect to ambient noise standards and results are enclosed.

11.0 BUILT IN SAFETY MEASURES

11.1 SAFETY MANAGEMENT

Material handling and storage is a predominant operation in the plant. Most of the operations are batch-type. Thus, the nature of accidents could be either simple one or those connected with fire. The past data with the factory does not indicate any major fire or explosion in the factory. The injury-accident data pertaining to the factory is furnished here.

There has been no fatal accident in the factory. However, there have been no serious accidents.

11.2 SAFETY COMMITTEE:

A safety committee is constituted and is functioning in the factory Director is the chairman of the committee, 12 Staff members and 12 workers are the members of the committee.

11.3 First – Aid Support

The first – aid boxes are located at the following places:

Security Gate

Production Area

Administration Office building

Storage Godown

ETP

Generator Houseetc----

Nominated Hospital Govt. Hospital are conducting periodical health checks for staff & workers of the industry. Qualified medical officer is available round the clock service. An ambulance on call up basis is available for speedy first aid assistance.

11.4 PERSONNEL PROTECTIVE AND SAFETY ACCESSORIES IN EMERGENCY

Sl.No.	Description	Nos.
1.	Fire extinguishers	220
2.	Sand Buckets	58
3.	Safety Gum Boots	60 Pairs
4.	Safety Hand Gloves	60 Pairs
5.	Helmets	12
6.	Safety Belts	15
7	SCBA(self-contain breathing apparatus)	12
8	Foam bladder Tanks (05 KL)	03
09	Sprinklers	1200
10	Water Monitors	06
11	Foam Monitors	08
12	Safety Nets	02
13	Mega Phone	02
14	Firefighting suit	02
15	Fire proximity suit (aluminum)	01
16	Safety goggles	10

11.5 ENVIRONMENTAL POLICY

The management are formulated and implementing a written down Environmental policy declaring its responsibility and commitment to protect the environment and to ensure public safety.

11.6 ENVIRONMENTAL MONITORING SYSTEM

For effective environment monitoring, it is proposed to have supervisor control and data acquisition system. The management proposes to set up an environmental laboratory with suitable facilities for sampling and analysis of wastewater, flue gas and ambient air in due course of time. At present third party analysis carrying the tests.

BENEFITS OF ENVIRONMENTAL AUDIT:

Benefits of Environmental Audit Environmental auditing has far reaching benefits to the industry, to the society and the nation at large.

- Determines how well the process systems and pollution control systems are performing, and identifies the operations of poor performance.
- Identifies potential cost savings which can be accrued through reduction in raw material consumption by way of waste minimization, and adoption of recycle/recovery/reduction in pollution load.
- Increases awareness of environment requirements, policies and responsibilities.
- Helps in understanding the technical capabilities and attitude of the environmental organization in a Company.

- Provides up-to-date environmental database of use in plant modification, emergencies etc.
- Unravels surprises and hidden liabilities due to which regulatory risk and exposure to litigation can be reduced.
- Ensures independent verification, identifies matters needing attention, and provides timely warning to management on potential future problems and helps to safeguard environment, and assists in complying with local, regional and national laws and regulations, with the Company's policy and with the environmental standards.
- Evaluating training programmes and providing data to assist in training personnel.
- Evaluating management to give credit for good environmental Performance.

SALIENT FEATURES OF THE UNIT;

LIST OF PRODUCTS

S.No	Product Name	CFO S.No	CFO (11.11.2022) approved Qty (MTA)	CFO (10.01.2024) approved Qty (MTA)	Total Production Qty MTA in 2023-24
1	Amicarbazone	3	450	450	**172.74**
2	Clethodim	5	6100	6100	**2775.04**
3	Daimuron	6	450	450	**9.36**
4	Difenconazole	8	6000	6000	**2412.25**
5	Fenbuconazole	9	200	200	**48.88**
6	Metobromuron	14	200	200	**20.99**
7	Myclobutanil	15	300	300	**95.01**
8	Prodamine	19	1500	1500	**1077.85**

9	Pyraflufin Ethyl(ET-751)	21	250	250	**72.71**
10	Pyridate	22	750	750	**276.10**
11	Tacsifun	24	750	750	**365.33**
12	Tebufenozide	25	100	100	**51.10**
13	Vulkalent-E	27	700	700	**299.65**
14	DAT	31	100	100	**19.65**
15	STL-8 (DS-8)	32	20	20	**9.10**
16	Vulcuren	33	650	650	**291.14**
17	Dioxazin phenol	35	100	100	**38.15**
18	Valifenalate	36	160	160	**76.51**
19	CDEA	37	250	250	**131.27**
20	Fluoxastrobin(FOB)	38	200	200	**68.38**
21	Dimethachlor	46	350	350	**214.29**
22	Activated Carbon (Tripoorous)	49	50	50	**7.00**
23	Isoxaben	50	200	200	**76.98**
24	Florarsulam	51	150	150	**54.06**
25	Pyroxsulam	52	150	150	**57.86**
26	Penoxulam	53	150	150	**27.70**
27	Dacthal	55	400	400	**147.98**
28	Dinotefuran	57	950	950	**770.00**
29	NKK-1304	58	2000	2000	**934.01**
30	Trfludimoxazin(DB-5)	59	180	180	**56.87**
31	MMPDC	60	100	100	**78.12**
32	NPPT	61	150	150	**68.12**
33	Ester amide	64	300	400	**332.35**
34	Cyanopyrazole	65	800	800	**703.63**
35	BFAA	66	700	900	**741.80**
36	AMBA	68	400	400	**355.17**
37	AE-Phenol	70	200	200	**102.81**
38	DETS	74	120	120	**22.30**
39	DEDS	75	600	600	**227.19**
40	Chloransulam Methyl	76	350	350	**163.95**
41	Diclosulam	77	660	660	**541.84**
42	Flumetsulam	78	350	350	**84.86**
43	2.6 Difluoro aniline	79	150	150	**20.05**

44	Sulfoxaflor	80	450	800	**368.39**
45	Pyraxlt(RAB-55)	81	300	300	**21.40**
46	XDE-647	83	100	100	**0.00**
47	Chlorfenapyr(CLP)	88	1000	1000	**380.09**
48	N-Ethylpydridazin-4-amine(EAP)	89	50	50	**30.36**
49	Mandipropamid	97	50	50	**10.09**
50	Acibenzalor(ASM)	99	500	500	**0.00**
51	CTCM-CP	101	750	750	**309.60**
52	CVPMS	104	100	100	**42.33**
53	Aminocyclopyrachlor (MAT28)	110	200	200	**85.45**
54	Piperidine-4-carbothioamide (Pitam)	111	150	150	**17.61**
55	Tefuryltrione(AE-473)	112	150	150	**13.60**
56	DCIT Acid	113	220	220	**69.30**
57	DS-4	114	650	650	**164.80**
58	Tralopyril(TLP)	116	350	350	**121.31**
59	DCIT Acid (550 I Acid)	117	50	50	**48.95**
60	RATM	118	250	250	**208.25**
61	Fenpicoxamid(XDE-777)	120	50	50	**18.97**
62	CADOM	123	---	150	**10.58**
63	CIS – Chalone	125	---	750	**180.08**
64	Proquinazid	127	---	300	**25.73**
65	PSI	135	---	100	**5.67**
66	R & D and pilot Plant Products	138	300	500	**142.47**
Total Qty (TPA)					**13952.29**

	Production details Month wise 2023-24												
Product	**April'23**	**May'23**	**June'23**	**July'23**	**Aug'23**	**Sep'23**	**Oct'23**	**Nov'23**	**Dec'23**	**Jan'24**	**Feb'24**	**Mar'24**	**Total Qty MT**
Amicarbazone	0	0	43.4	42.3	44.5	42.54	0	0	0	0	0	0	**172.74**
Clethodim	406.6	491.62	449	461.24	471.08	435.6	0	0	0	0	0	59.9	**2775.04**
Daimuron	9.36	0	0	0	0	0	0	0	0	0	0	0	**9.36**
Difenconazole	300	356.15	0	0	0	0	65.8	321.55	360.35	352.4	315.75	340.25	**2412.25**
Fenbuconazole	0	0	0	0	0	16.7	15.46	16.7	0	0	0	0	**48.88**
Metobromuron	0	0	0	0	0	16.5	4.49	0	0	0	0	0	**20.99**
Myclobutanil	28.3	26.3	6.34	0	0	0	0	0	0	0	24.75	9.32	**95.01**
Prodamine	103.17	125.9	121.75	125.45	125.54	111.5	122.13	125.92	88.03	28.46	0	0	**1077.85**
Pyraflufin Ethyl(ET-751)	9.82	10.05	8.14	11.02	9.12	0	0	0	8.74	6.2	4.9	4.72	**72.71**
Pyridate	0	0	0	0	0	33.2	63.46	63.2	61.72	31.3	23.224	0	**276.10**
Tacsifun	0	0	63.4	65.3	64.73	0	0	16.1	63.5	92.3	0	0	**365.33**
Tebufenozide	0	0	0	0	9.75	9.62	10.18	11.1	10.45	0	0	0	**51.10**
Tricyclazole	61.3	59.63	22.46	0	0	0	0	0	0	51.3	49.6	55.36	**299.65**
Vulkalent-E	9.3	10.35	0	0	0	0	0	0	0	0	0	0	**19.65**
DAT	0	1.3	2.4	1.9	2.3	1.2	0	0	0	0	0	0	**9.10**
STL-8 (DS-8)	52.05	54.87	55.92	56.72	54.2	11.34	6.04	0	0	0	0	0	**291.14**
Vulcuren	0	0	0	5.42	6.37	6.13	5.94	7.35	6.94	0	0	0	**38.15**
Dioxazin phenol	0	0	0	9.35	8.42	8.18	7.94	8.38	7.9	10.46	10.52	5.36	**76.51**
CDEA	0	0	0	8.79	22.3	21.37	19.35	20.36	19.34	19.76	0	0	**131.27**
Fluoxastrobin(FOB)	0	0	0	0	0	17.34	16.94	17.26	16.84	0	0	0	**68.38**
Dimethachlor	30.97	33.42	32.4	20.53	0	0	0	0	0	10.8	41.67	44.5	**214.29**
Activated Carbon (Tripoorous)	3.6	2.9	0	0.5	0	0	0	0	0	0	0	0	**7.00**
Isoxaben	18.34	19.14	0	0	0	0	0	21.2	18.3	0	0	0	**76.98**
Florarsulam	0	0	13.4	10.32	0	0	0	0	10.12	11.24	6.38	2.6	**54.06**
Pyroxsulam	0	0	0	13.19	14.2	13.56	12.78	4.133	0	0	0	0	**57.86**
Penoxulam	13.5	14.2	0	0	0	0	0	0	0	0	0	0	**27.70**
Dacthal	0	0	0	0	0	31.12	3437	34.2	33.84	14.45	0	0	**147.98**
Dinotefuran	59.76	78.36	50.097	70	65.28	60.56	65.2	67.07	65.04	66.48	59.517	62.64	**770.00**
NKK-1304	0	115.5	152.23	168.3	164.32	168.32	165.34	0	0	0	0	0	**934.01**
Trfludimoxazin(DB-5)	12.08	12.3	15.3	17.19	0	0	0	0	0	0	0	0	**56.87**
MMPDC	10.25	9.93	0	0	0	0	6.2	7.35	6.24	13.2	13.4	11.55	**78.12**
NPPT	0	0	0	13.56	14.76	13.97	12.5	13.24	0	0	0	0	**68.12**
Ester amide	27.36	26.3	24.39	25.67	26.7	25.01	24.32	25.63	24.32	34.3	33.17	35.21	**332.35**
Cyanopyrazole	0	0	29.14	68.3	67.42	65.34	63.2	64.3	65.34	91.44	89.05	100.1	**703.63**
BFAA	61.3	59.3	61.3	60.71	62.3	58.21	59.34	62.3	59.3	68.5	64.57	64.668	**741.80**
AMBA	0	0	5.62	35.63	35.42	34.56	14.95	34.62	33.64	57.34	56.81	46.58	**355.17**
AE-Phenol	0	9.92	17.34	16.92	17.32	14.35	12.61	14.35	0	0	0	0	**102.81**

DETS	11.35	10.95	0	0	0	0	0	0	0	0	0	0	**22.30**
DEDS	53.6	51.25	50.96	0	0	0	0	0	4.18	21.3	22.3	23.6	**227.19**
Chloransulam Methyl	32.3	31.3	32.4	0	0	0	0	0	0	0	33.45	34.5	**163.95**
Diclosulam	26.75	54.3	56.93	57.36	56.12	53.25	54.92	52.42	0	14.12	57.34	58.333	**541.84**
Flumetsulam	0	0	0	0	31.08	23.78	30.0	0	0	0	0	0	**84.86**
2.6 Difluoro aniline	0	0	0	0	0	0	0	0	0	8.45	11.6	0	**20.05**
Sulfoxaflor	40.4	43.65	56.14	23.135	0	0	0	0	48.74	67.55	51.07	37.701	**368.39**
Pyraxlt(RAB-55)	12.27	9.13	0	0	0	0	0	0	0	0	0	0	**21.40**
XDE-647	0	0	0	0	0	0	0	0	0	0	0	0	**0.00**
Chlorfenapyr(CLP)	0	0	0	0	41.811	50.8	0	0	32.66	90.05	80.93	83.835	**380.09**
N-Ethylpydridazin-4-amine(EAP)	0	0	0	0	0	3.52	2.00	2.61	4.73	7.13	5.17	5.20	**30.36**
Mandipropamid	0	0	5.34	4.75	0	0	0	0	0	0	0	0	**10.09**
Acibenzalor(ASM)	0	0	0	0	0	0	0	0	0	0	0	0	**0.00**
CTCM-CP	63.5	62.3	61.4	60.3	62.3	0	0	0	0	0	0	0	**309.60**
CVPMS	0	0	0	10.12	6.75	7.21	2.486	6.45	2.35	6.96	0	0	**42.33**
Aminocyclopyrachlor (MAT28)	0	0	0	0	17.32	15.34	16.2	0	7.69	17.34	11.56	0	**85.45**
Piperidine-4-carbothioamide (Pitam)	0	0	0	4.5	1.87	2.11	3.43	3.08	2.624	0	0	0	**17.61**
Tefuryltrione(AE-473)	13.60	0	0	0	0	0	0	0	0	0	0	0	**13.60**
DCIT Acid	5.25	3.58	9.12	7.12	12.56	9.2	7.67	9.63	5.17	0	0	0	**69.30**
DS-4	0	55.3	53.2	56.3	0	0	0	0	0	0	0	0	**164.80**
Tralopyril(TLP)	0	0	0	0	30.12	31.65	28.34	31.2	0	0	0	0	**121.31**
DCIT Acid (550 l Acid)	0	0	0	0	0	0	0	0	0	16.45	19.45	13.05	**48.95**
RATM	5.22	4.68	19.7	20.833	23.1	20.3	7.67	22.35	21.3	19.74	21.34	22.02	**208.25**
Fenpicoxamid(XDE-777)	5.3	5.02	5.49	3.16	0	0	0	0	0	0	0	0	**18.97**
CADOM	0	0	0	0	0	0	0	0	0	0	6.61	3.966	**10.58**
CIS – Chalone	0	0	0	0	0	0	0	0	0	54.22	61.3	64.56	**180.08**
Proqulnazid	0	0	0	0	0	0	0	0	0	0	0	25.73	**25.73**
PSI	0	0	0	0	0	0	0	0	0	0	0	5.67	**5.67**
R & D and pilot Plant Products	11.3	12.1	12.56	10.56	9.34	10.42	11.35	12.75	11.96	13.45	12.94	13.74	**142.47**
Total quantity MTA	**1497.9**	**1861**	**1537.27**	**1566.45**	**1578.4**	**1443.8**	**972.63**	**1096.8**	**1101.35**	**1296.69**	**1188.34**	**1234.7**	**13952.29**
Total Quantity MTD	**49.93**	**60.03**	**51.24**	**52.21**	**52.61**	**48.13**	**31.38**	**35.38**	**35.53**	**41.83**	**42.44**	**39.82**	

FORM-V

(See rule 14)

Environmental Statement for the financial year ending the 31st March 2024

PART A

I Name and address of the Owner/Occupier of the industry operation or process : M/s Deccan Fine Chemicals (India) Private Limited,
Kesavaram & Rajavaram Village,
Venkatanagaram P.O,
Payakaraopeta Mandal,
Anakapalli District,
Andhra Pradesh.

Ii Industry Category Primary-(STC Code) Secondary-(SIC Code) : Red- Hazardous

Iii Production capacity –Units :

S.No	Product Name	CFO S.No	CFO approved Qty (MTA)	Products Produced Qty MTA in 2023-24
1	Amicarbazone	3	**450**	**172.74**
2	Clethodim	5	**6100**	**2775.04**
3	Daimuron	6	**450**	**9.36**
4	Difenconazole	8	**6000**	**2412.25**
5	Fenbuconazole	9	**200**	**48.88**
6	Metobromuron	14	**200**	**20.99**
7	Myclobutanil	15	**300**	**95.01**
8	Prodamine	19	**1500**	**1077.85**
9	Pyraflufin Ethyl(ET-751)	21	**250**	**72.71**
10	Pyridate	22	**750**	**276.10**
11	Tacsifun	24	**750**	**365.33**
12	Tebufenozide	25	**100**	**51.10**
13	Vulkalent-E	27	**700**	**299.65**
14	DAT	31	**100**	**19.65**
15	STL-8 (DS-8)	32	**20**	**9.10**
16	Vulcuren	33	**650**	**291.14**
17	Dioxazin phenol	35	**100**	**38.15**
18	Valifenalate	36	**160**	**76.51**
19	CDEA	37	**250**	**131.27**
20	Fluoxastrobin(FOB)	38	**200**	**68.38**
21	Dimethachlor	46	**350**	**214.29**
22	Activated Carbon (Tripoorous)	49	**50**	**7.00**
23	Isoxaben	50	**200**	**76.98**
24	Florarsulam	51	**150**	**54.06**
25	Pyroxsulam	52	**150**	**57.86**
26	Penoxulam	53	**150**	**27.70**
27	Dacthal	55	**400**	**147.98**
28	Dinotefuran	57	**950**	**770.00**
29	NKK-1304	58	**2000**	**934.01**
30	Trfludimoxazin(DB-5)	**59**	**180**	**56.87**
31	MMPDC	**60**	**100**	**78.12**
32	NPPT	**61**	**150**	**68.12**

33	Ester amide	**64**	**400**	**332.35**
34	Cyanopyrazole	65	**800**	**703.63**
35	BFAA	66	**900**	**741.80**
36	AMBA	68	**400**	**355.17**
37	AE-Phenol	70	**200**	**102.81**
38	DETS	74	**120**	**22.30**
39	DEDS	75	**600**	**227.19**
40	Chloransulam Methyl	76	**350**	**163.95**
41	Diclosulam	77	**660**	**541.84**
42	Flumetsulam	78	**350**	**84.86**
43	2.6 Difluoro aniline	79	**150**	**20.05**
44	Sulfoxaflor	80	**800**	**368.39**
45	Pyraxlt(RAB-55)	81	**300**	**21.40**
46	XDE-647	83	**100**	**0.00**
47	Chlorfenapyr(CLP)	88	**1000**	**380.09**
48	N-Ethylpydridazin-4-amine(EAP)	89	**50**	**30.36**
49	Mandipropamid	97	**50**	**10.09**
50	Acibenzalor(ASM)	99	**500**	**0.00**
51	CTCM-CP	101	**750**	**309.60**
52	CVPMS	104	**100**	**42.33**
53	Aminocyclopyrachlor (MAT28)	110	**200**	**85.45**
54	Piperidine-4-carbothioamide (Pitam)	111	**150**	**17.61**
55	Tefuryltrione(AE-473)	112	**150**	**13.60**
56	DCIT Acid	113	**220**	**69.30**
57	DS-4	114	**650**	**164.80**
58	Tralopyril(TLP)	116	**350**	**121.31**
59	DCIT Acid (550 I Acid)	117	**50**	**48.95**
60	RATM	118	**250**	**208.25**
61	Fenpicoxamid(XDE-777)	120	**50**	**18.97**
62	CADOM	123	**150**	**10.58**
63	CIS – Chalone	125	**750**	**180.08**
64	Proqulnazid	127	**300**	**25.73**
65	PSI	135	**100**	**5.67**
66	R & D and pilot Plant Products	138	**500**	**142.47**
Total Qty (TPA)				**13952.29**

Iv Year of Establishment : January , 2011

V Date of Last environmental statement submitted. : 28.09.2023

PART – B

Water and Raw Material Consumption

I. Water consumption (m3/day)

S.No	Water consumption	As per CFO Approved Quantity (KLD)	Daily water consumption in the year 2023-24 (KLD)
a.	Process water- Agro & Fine Chemical	1397	785.00
b.	Cooling Towers Makeup water	14105	1106.41
c.	Boiler&Cogen Powerplant makeup water	4196	4037.41
d.	Domestic	100	73.00
e.	Horticulture	50	35
	Total KLD	**19848**	**6036.82**

Waste Usage Points	Water Consumption for the Month of												Total Qty KL	Avg Gen. Qty (KLD)
	Apr'23	May' 23	Jun' 23	Jul' 23	Aug' 23	Sep'2 3	Oct'2 3	Nov' 23	Dec' 23	Jan' 24	Feb' 24	Mar' 24		
Process(KL)	24220	2334 7	2402 7	247 77	2573 5	2449 1	2412 8	2293 1	2327 9	2359 8	2225 6	2373 0	**286519**	**785.00**
Boiler feed (KL)	32103	3033 0	3192 3	330 01	3462 2	3412 7	3461 5	3437 6	3498 5	3513 4	3311 3	3551 2	**403841**	**1106.41**
Cooling Towers(KL)	119868	1171 14	1202 66	124 054	1267 40	1221 72	1256 00	1218 59	1254 41	1259 88	1179 69	1265 86	**1473657**	**4037.41**
Domestic use (KL)	1696	1598	1632	164 8	1809	1715	2281	2548	2921	2939	2828	3012	**26627**	**73.00**
Total Qty (KL)	177887	1723 89	1778 48	183 480	1889 06	1825 05	1866 24	1817 14	1866 26	1876 59	1761 66	1888 40	**2190644**	**6001.76**

2. Water Consumption in Liters per Unit of Product			
S.No.	Name of Product	Process Water consumption per unit of product Output	
		During the previous financial year 2022 – 23	During the present financial year 2023 – 24
1	Amicarbazone.	11.84	11.84
2	Clethodim	32.12	32.12
3	Daimuron	9.30	9.30
4	Difenconazole	11.20	11.20
5	Fenbuconazole	7.70	7.70
6	Metobromuron	18.12	18.12
7	Myclobutanil	9.97	9.97
8	Prodiamine	12.0	12.0
9	Pyraflufin ethyl (ET-751)	14.4	14.4
10	Pyridate	14.8	14.8
11	Tacsifun	11.6	11.6
12	Tebufenozide	10.02	10.02
13	Tricyclazole	16.30	16.30
14	Vulkalent-E	11.3	11.3
15	2-Amino-5,8-dimethoxyl [1,2,4] triazolo[1,5-c]pyrimidine (DAT)	1.00	1.00
16	1,6-Bis(N,N-dibenzylthiocarba moylditho) hexane (Vulcuren)	0.68	0.68
17	3-Chloro-2,6-Diethylaniline (CDEA)	0.34	0.34
18	Diuron	1.25	1.25
19	Dimethachlor	1.02	1.02
20	Activated Carbon	0.18	0.18
21	Isoxaben	0.52	0.52
22	Florarsulam	0.50	0.50
23	Pyroxsulam	0.79	0.79
24	Penoxulam	0.04	0.04
25	Dimethyl 2,3,5,6 tetrachlorobenzene-1,4-dicarboxylate (Dacthal)	1.15	1.15
26	4) N-(2-(3-phenylureido) phenyl) benzenesulfonamide (NKK-1304)	1.54	1.54
27	Trifludimoxazin (BAS 850H) (DB-5)	0.44	0.44
28	5-(methoxymethyl)pyridine-2,3-dicarboxylic acid(MMPDC)	0.59	0.59
29	N-Propyl-thiophosphoryltriamide (NPPT)	1.55	1.55
30	Ester amide	0.57	0.57
31	5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)pyrazole	1.50	1.50

	(Cyanopyrazole)		
32	2-Bromo-4-Fluoro-acetanilide (BFAA)	1.54	1.54
33	4-acetyl-2methylbenzoic acid (AMBA)	0.50	0.50
34	4-(2-Aminoethyl)-2-Methoxy-phenol (AE-Phenol)	1.55	1.55
35	1-(2,2-difluoroethoxy)-2-(propylsulfany)-3(trifluoromethyl)benzene (DETS)	0.25	0.25
36	3,3-disulfanediylbis(5-ethoxy-7-fluoro[1,2,4]trizolo[4,3-c]pyrimidine (DEDS)	0.19	0.19
37	Chlorasulam Methyl	0.19	0.19
38	Diclosulam	0.18	0.18
39	Flumetsulam	0.54	0.54
40	Sulfoxaflor (isoclast)	0.66	0.66
41	Pyraxalt (RAB 55) (Triflumezopyrim)	1.00	1.00
42	Chlorfenapyr (CLP)	0.27	0.27
43	Disulfide	0.67	0.67
44	3-chloro-2-ethenylphenyl methanesulfonate (CVPMS)	0.36	0.36
45	Aminocyclopyrachlor (ACP/MAT28	0.22	0.22
46	Piperidine-4-carbothioamide (PITAM)	0.35	0.35
47	Tefuryltrione (AE-473)	1.25	1.25
48	3,4-dichloroisothiazole-5- carboxylic acid (DCIT acid)	0.37	0.37
49	Dioxygen phenol	4.1	4.1
50	Fluoxastrobin(FOB)	1.0	1.0
51	Dinotefuron	4.4	4.4
52	N-Ethylpydridazin-4 amine (EAP)	4.99	4.99
53	Acibenzalor(ASM)	3.13	3.13
54	CTCM-CP	1.25	1.25
55	DCIT Acid	0	0
56	RATM	0.1	0.1
57	XDE-659	6.85	6.85
58	Fenpicoxamid(XDE-777)	4.9	4.9
59	XE-647	1.98	1.98
60	R&D anddPilot plant products	16.0	16.0
61	PSI	-	1.8
62	Proquinazid	-	2.2
63	CIS-Chalone	-	4.0
64	5501	-	1.20

3. Raw material consumption

S No	Product Name	Name of the Raw Material	Consumption of raw material per unit of output	
			During the previous financial year 2022-23	During the Current financial year 2023-24
1	Tacsifun	4- Chlorophenyl Acetic Acid	0.81	0.81
		Sulfonyl Chloride	0.57	0.57
		Monochlorobenzene(MCB)	8.01	8.01
		Bromine	0.74	0.74
		Propargyl Alcohol	0.25	0.25
		Sodium Hydroxide (48%)	0.78	0.78
		Ethylene Glycol	0.14	0.14
2	Myclobutanil	Parachlorophenyl Acetonitrile	0.58	0.58
		Butyl acetate	0.44	0.44
		Sodium Hydroxide	0.62	0.62
		Dichloromethane	1.17	1.17
		1,2,4 Triozole	0.31	0.31
		Toluene	0.33	0.33
		N-Methyl Pyrollidone	1.90	1.90
3	Prodiamine	2,4-dichloro benzotrifluoride	0.67	0.67
		Nitric acid	0.39	0.39
		Sulphuric acid	0.03	0.03
		Hexane	2.01	2.01
		48% Sodium Hydroxide	0.09	0.09
		Dipropyl amine	0.31	0.31
		Ammonia	0.10	0.10
		NMP	1.20	1.20
4	Tricyclazole	2-Amino-4-Methyl Benzo Thiozole	0.49	0.49
		Hydrazine Hydrate	0.19	0.19
		Formic Acid	0.26	0.26
		Xylene	2.88	2.88
		O-Toludine	0.7	0.7
		Ammonium thiocyanate	0.49	0.49
		HCl	0.74	0.74
		Monochloro benzene	2.78	2.78
		Chlorine gas	0.44	0.44
5	Clethodium	Diketone	0.960	0.960
		48% NaOH	0.482	0.482
		36% HCl	0.327	0.327
		Hexane	1.870	1.870
		2-Chlro propnyl hydroxyl amine HCl	0.413	0.413
		Acetic acid	0.172	0.172

S No	Product Name	Name of the Raw Material	Consumption of raw material per unit of output	
			During the previous financial year 2022-23	During the Current financial year 2023-24
6	Daimuron	HCl Gas	0.52	0.52
		Sodium Cyanate	0.26	0.26
		Alpha Methyl Strene	0.47	0.47
		4-Methylaniline	0.41	0.41
		Dichloromethane	2.15	2.15
7	Pyridate	Acetophenone	0.69	0.69
		Glyoxalic Acid	0.42	0.42
		NH4OH (25%)	0.72	0.72
		Toluene	1.89	1.89
		Hydrazine Hydrate	0.18	0.18
		Chlorine	0.5	0.5
		PCl3	0.49	0.49
		Sodium Hydroxide (48%)	0.30	0.30
		Acetone	0.93	0.93
		Benzyl acetic acid	1.0	1.0
8	Vulkalent-E	N-Phenyl Benzene Sulfonamide	0.49	0.49
		Carbon Disulphide	0.21	0.21
		Chlorine	0.96	0.96
		Sodium Hydroxide (48%)	0.33	0.33
		Xylene	1.6	1.6
		Aniline	-	0.26
		Carbondisulfide	-	0.21
9	**Amicarbazone**	Tertbutyl Alcohol	0.33	0.33
		Hydrochloric Acid (33%)	0.5	0.5
		Sodium Cyanate	0.29	0.29
		Hydrazine hydrate	0.24	0.24
		Tertbutyl Isocyanate	0.42	0.42
		Isobutyric acid Hydrazine (IBH)	-	0.47
		Triphosgene	-	1.37
		Toluene	-	1.0
		MCB	3.63	3.63

S No	Product Name	Name of the Raw Material	Consumption of raw material per unit of output	
			During the previous financial year 2022-23	During the Current financial year 2023-24
10	Difenoconazole	P-Chloro phenol	0.35	0.35
		Sodium Hydroxide	0.11	0.11
		Dichlorobenzene	0.39	0.39
		Acetyl Chloride	0.21	0.21
		Propylene Glycol (C3H802)	0.20	0.20
		Bromine	0.41	0.41
		1,2,4-Triazole	0.17	0.17
		MIBK	2.0	2.0
		Xylene	2.0	2.0
		Copper oxide	0.1	0.1
		Aluminium chloride	0.25	0.25
		Cyclohexane	0.2	0.2
		Toluene	1.5	1.5
11	Metobromuron	Phenyl Isocyanate	0.58	0.58
		Hydroxylamine Sulphate	0.79	0.79
		Dichloro Ethane	3.84	3.84
		Di methyl sulphate	0.58	0.58
		Sodium Hydroxide (48%)	0.74	0.74
		Bromine	0.67	0.67
12	Fenbuconazole	Benzyl Cyanide	0.49	0.49
		P-Chlorostyrene	0.58	0.58
		DMSO	3.42	3.42
		Methylene Dichloride	0.82	0.82
		1H-1,2,4 Triazole	0.22	0.22
		Potassium Hydroxide	0.18	0.18
		IPA	1.48	1.48
13	Vulcuren	Dibenzyl amine	0.17	0.17
		Carbon disulphide	0.07	0.07
		48% NaOH	0.03	0.03
		DMF	0.25	0.25
		Na2S2O3.5H2O	0.79	0.79
		Toluene	3.000	3.000
		NaBEC	0.89	0.89

S No	Product Name	Name of the Raw Material	Consumption of raw material per unit of output	
			During the previous financial year 2022-23	During the Current financial year 2023-24
14	CDEA	2,6-Diethylaniline	0.91	0.91
		96% H2SO4	0.60	0.60
		Chlorine	0.42	0.42
		NaOH (25%)	0.45	0.45
15	Pyraflufin Ethyl (ET-751)	p-Fluorophenol	0.36	0.36
		Chloroacetamide	0.30	0.30
		KOH	0.18	0.18
		Monochlorobenzene	0.42	0.42
		Sulfuryl Chloride	0.35	0.35
		Chloroacetyl Chloride	0.20	0.20
		Sodium IsoCynate	1.67	1.67
		IPA	0.29	0.29
		Sulfuric Acid	1.11	1.11
		Mono Methyl Hydrazine (MMH)	0.14	0.14
		Chlorodifluoromethane	0.25	0.25
		Ethanol	0.12	0.12
		Sulfuryl dichloride	0.36	0.36
16	Diuron	3,4-Dichlorophenyl Isocyanate	0.83	0.83
		N-methylmethanamine	0.20	0.20
		Xylene	1.60	1.60
17	Dimethachlor	2,6-Dimethylaniline	0.52	0.52
		2-Chloroethyl methyl ether	0.41	0.41
		Chloroacetyl chloride	0.45	0.45
		Sodium hydroxide	0.11	0.11
		Toluene	2.50	2.50
18	NKK-1304	Benzene-1,2-diamine	0.310	0.310
		Bnzenesulfonyl chloride	0.51	0.51
		Ethyl acetate	1.1	1.1
		Phenylisocyanate	0.33	0.33

S No	Product Name	Name of the Raw Material	Consumption of raw material per unit of output	
			During the previous financial year 2022-23	During the Current financial year 2023-24
19	Easteramide	Carbondioxide	0.16	0.16
		Ammonia	0.12	0.12
		DMF	0.40	0.40
		4-methoxyxyxlohexanone	0.45	0.45
		Sodium cyanide	0.17	0.17
		Sodium hydroxide	0.14	0.14
		Acetonitrile	0.75	0.75
		Potassium Hydroxide	0.18	0.18
		Methanol	1.10	1.10
		2,5-dimethylphenyl acetyl chlorid	0.58	0.58
		Toluene	1.00	1.00
		Ethyl acetate	0.800	0.800
20	MMPDC	Formaldehyde	0.29	0.29
		Propanal	0.56	0.56
		MIBK	0.45	0.45
		Dimethyl ethanedioate	0.66	0.66
		Methyl methoxyacetate	0.58	0.58
		Ammonium hydroxide	0.19	0.19
		Toluene	2.50	2.50
		Sodium Hydroxide	0.40	0.40
		Bromine	0.83	0.83
		Methanol	1.00	1.00
		Propylamine	0.30	0.30
		Ethyl acetate	0.80	0.80
21	Trifludimoxazin(BAS85OH)	Ethyl Bromodifluoroacetate	0.62	0.62
		n-methylmethanamine	0.14	0.14
		DMF	0.65	0.65
		3-Fluorophenol	0.33	0.33
		Dipotassium Carbonate	0.41	0.41
		Nitric acid	0.36	0.36
		DCM	1.00	1.00
		Hydrogen	0.03	0.03
		Methanol	1.00	1.00
		Sulphuric acid	0.26	0.26
		Toluene	3.0	3.0
		Propargylalcohol	0.58	0.58
		Thionyl chloride	1.22	1.22
		Propargyl chloride	0.20	0.20
		Phenyl carbonochloridate	0.40	0.40

		Ethyl acetate	0.80	0.80
		Phenyl methyl carbamate	0.56	0.56
22	AMBA	2-Fluoro toluene	0.67	0.67
		Acetyl chloride	0.48	0.48
		Toluene	1.05	1.05
		Sodium cyanide	0.29	0.29
		MIBK	0.50	0.50
		Sodium hydroxide	0.46	0.46
		HCl	0.42	0.42
23	BFAA (2-Bromo-4-Fluoro Acetanilide)	2-fluoroaniline	0.51	0.51
		Acetic anhydride	0.46	0.46
		Ethyl acetate	0.55	0.55
		Bromine	0.70	0.70
		DCM	0.55	0.55
24	Dacthal	Tetrachlorobenzene-1,4-Dinitrile	0.86	0.86
		Sulfuric acid	0.63	0.63
		Toluene	1.05	1.05
		Sulfuric acid	0.31	0.31
		Sulfurtrioxide	0.50	0.50
		Dimethyl sulfate	0.39	0.39
		Disodium carbonate	0.33	0.33
25	DAT	Ethyl carbonochloride	0.62	0.62
		Sodium thiocyanate	0.47	0.47
		Toluene	5.00	5.00
		Ethyl isothiocyanatidate	0.72	0.72
		2,5-dimethoxypyrimidin-4-amine	0.85	0.85
		Hydroxylamine	0.18	0.18
26	Perch	Rice Husk	11.13	11.13
		Rice Husk as fuel	2.23	2.23
		Air	5.01	5.01
		Sodium Hydroxide (48%)	2.63	2.63
27	Isoxaben	2-Ethyl-2-Methylbutyricacid	0.87	0.87
		IsobutylAlcohol	0.43	0.43
		Sodium Hydride	0.15	0.15
		Acetonitrile	0.26	0.26
		Hydroxyalamine sulfate	1.02	1.02
		2,6-Dimethoxybenzoic acid	0.95	0.95
		Thionyl chloride	0.62	0.62
		2,6-Dimethoxybenzoyl Chloride	0.63	0.63
		Toluene	3.5	3.5
28	Florasulam	2-Methoxy-5-Fluorouracil	0.47	0.47
		Phosphorusoxychloride	0.50	0.50
		Xylene	0.55	0.55
		Hydrogen Hydrate	0.16	0.16

		Triethylamine	0.31	0.31
		Carbon disulphide	0.24	0.24
		Hydrogen Peroxide	0.11	0.11
		DMF	0.50	0.50
		Benzyl chloride	0.38	0.38
		Chlorine	0.62	0.62
		2,6-difluoroaniline	0.37	0.37
		Propylene glycol	1.25	1.25
29	Pyroxsulam	Butullithium	0.00	0.00
		Diisopropylamine	0.26	0.26
		Sulphur	0.08	0.08
		2-Methoxy-4-(Trifluoromethyl)-Pyridine	0.45	0.45
		THF	0.55	0.55
		Hydrogen chloride	0.09	0.09
		Chlorine	0.26	0.26
		DMF	0.50	0.50
		5,7-Dimethoxy(1,2,4-Triazolo(1,5-a)-Pyrimidin-2amine	0.46	0.46
		3,5-dimethylpyridine	0.25	0.25
30	NPPT	Phosphoryltrichloride	1.18	1.18
		N-propylamine	0.41	0.41
		Tri-n-Propylamine	0.99	0.99
		Ethyl acetate	1.10	1.10
		Ammonia	0.23	0.23
31	Pyrazole	Ethyl cyanoacetate	0.37	0.37
		Para formaldehyde	0.10	0.10
		Sodium cyanide	0.16	0.16
		Hydrogen chloride	0.12	0.12
		Ethyl acetate	1.10	1.10
		Ammonia	0.06	0.06
		2,6-dichloro-4-trifluoromethyl aniline	0.74	0.74
32	AE-Phenol	Vanillin	0.96	0.96
		Sodium cyanide	0.31	0.31
		Hydrogen chloride	0.23	0.23
		MIBK	0.55	0.55
		Hydrogen	0.02	0.02
		Hexane	0.55	0.55
33	DETS	2-chloro-l-nitro-3-(trifluoromethyl) – benzene	0.81	0.81
		propane thiol	0.27	0.27
		Potassium carbonate	0.35	0.35
		DMF	2.05	2.05
		N-[2-propyl-3-trifluoromethyl-phenyl]N-sulfideamine oxide	0.87	0.87
		DMSO	1.00	1.00
		n-hexane	1.60	1.60

		tetra butyl ammonium flouride	0.30	0.30
		2,2-difluoroethanol	0.28	0.28
		NaOH		
34	DEDS	4,6-dichloro-2-ethoxypyrimidine	1.07	1.07
		Potassium fluoride	0.64	0.64
		N-Methyl Pyrollidone (NMP)	0.65	0.65
		Hydrazine hydrate	0.17	0.17
		Acetonitrile	0.80	0.80
		Triethyl amine	1.00	1.00
		Carbon disulfide	0.40	0.40
		Hydrogen peroxide	0.18	0.18
		DMF	1.55	1.55
		Sodium ethoxide	0.35	0.35
		Ethanol	1.00	1.00
		Acetic acid	0.30	0.30
		Toluene	1.00	1.00
		Hydrogen Peroxide	0.08	0.08
35	Cloransulam methyl	3.3'-disulfanediylbis(5-ethoxy-70fluoro[1,2,4]triazolo[4,3-c] pyrimidine (DEDS)	0.52	0.52
		Chlorine	0.43	0.43
		Dichloromethane	1.60	1.60
		Sodium metabisulfite	0.20	0.20
		methyl 2-Amino-3-chlorobenzoate	0.44	0.44
		Pyridine	0.50	0.50
		Dimethyl sulfide	0.80	0.80
36	Diclosulam	Cyanamide	0.15	0.15
		Hydrochloric acid	0.13	0.13
		Ethanol	0.97	0.97
		Dimethyl malonate	0.47	0.47
		Sodium methoxide	0.38	0.38
		Formic acid	0.16	0.16
		DMF	2.65	2.65
		Phosphorous oxychloride	1.02	1.02
		Methanol	1.00	1.00
		Potassium Fluoride	0.37	0.37
		N-Methyl Pyrollidone (NMP)	1.00	1.00
		Hydrozen hydrate	0.10	0.10
		Toluene	1.00	1.00
		Carbon disulfide	0.22	0.22
		Hydrogen Peroxide	0.10	0.10
		Toluene	1.00	1.00
		Sodium ethoxide	0.20	0.20
		Acetic acid	0.17	0.17
		Hydrogen Peroxide	0.05	0.05
		Chlorine	0.46	0.46

		Dichloromethane	0.90	0.90
		2,6-dichloroaniline	0.42	0.42
		Pyridine	0.95	0.95
37	Flumetsulam	3-Amino-5-mercapto-1,2-4-triazole (AMT)	0.40	0.40
		Hydrogen Peroxide	0.06	0.06
		Chlorine	0.59	0.59
		2,6-difluoroaniline	0.42	0.42
		Sodium hydroxide	0.50	0.50
		4,4-dimethoxybutan-2-one	0.42	0.42
38	Sulfoxaflor	2-(trifluoromethyl)-5-(1-(methylthio)ethyl) pyridine	0.85	0.85
		Cyanamide	0.16	0.16
		Acetonitrile	1.10	1.10
		Sodium hypochloride	0.29	0.29
		Sodium permanganate	0.35	0.35
		Actonitrile	1.00	1.00
39	Triflumezopyrim (RAB-55)	Disodium [3-9trifluoromethyl) phenyl]propanedioate	0.78	0.78
		Oxalychloride	0.68	0.68
		N-formyl piperidine	0.80	0.80
		DCM	2.00	2.00
		N-(pyrimidin-4-yl methyl)pyridin-2-amine	0.48	0.48
		4-Methylpyridine	0.48	0.48
40	Chlorfenapyr (CLP)	Acrylonitrile	0.14	0.14
		Chlorine	0.19	0.19
		Trifluoroacetic acid	0.31	0.31
		Phosphorus pentachloride	0.57	0.57
		EDC	1.00	1.00
		Amino(4-chlorophenyl)acetic acid	0.50	0.50
		PCL3	0.20	0.20
		DMF	2.20	2.20
		Toluene	2.50	2.50
		Acetonitrile	1.30	1.30
		2,3-dichloropropanenitrile	0.32	0.32
		Bromine	0.42	0.42
		N-ethy-n-isopropylpropan-2-amine	0.34	0.34
		NaOH	0.45	0.45
		Diethoxymethane	0.26	0.26
		POCl3	0.50	0.50
41	Disulfide	Cyanopyrazole	0.94	0.94
		Sulfur monochloride	0.20	0.20
		NH3 Gas	0.03	0.03
		Acetonitrile	1.00	1.00
		Monochlorobenzene	1.00	1.00

42	CVPMS	1-Chloro-2-methyl-3-nitrobenzene	0.85	0.85
		p-formaldehyde	0.15	0.15
		Dimethylacetamide	1.00	1.00
		Potassium hydroxide	0.61	0.61
		Hydrogen	0.03	0.03
		Raney Nikel	0.05	0.05
		Acetonitrile	1.00	1.00
		n-butylnitrile	0.49	0.49
		1,2 dichloroethane	1.50	1.50
		Trifluoroacetic acid	0.30	0.30
		Sodium hydroxide	0.20	0.20
		Hydrochloric acid	0.20	0.20
		Toluene	1.00	1.00
		Dimethyl Sulfoxide (DMSO)	1.00	1.00
		Methane sulfonyl chloride	0.51	0.51
		Triethyl amine	0.80	0.80
		Methyl Iso Butyl Ketone	1.20	1.20
43	MAT28	Cyclopropanecarboxamide	0.44	0.44
		Dimethylsulphate	0.67	0.67
		Ammonia	0.09	0.09
		Methanol	0.34	0.34
		Toluene	0.60	0.60
		Diethyl Oxalate	0.76	0.76
		Hydrochloric acid	0.19	0.19
		Ethyl acetate	2.00	2.00
		Sodium Hydroxide	0.20	0.20
		Thionyl dichloride	0.60	0.60
		Sodium chloride	0.30	0.30
		N-Formyloioerdine	1.00	1.00
44	PITAM	Isonicotinamide	0.93	0.93
		Hydrogen	0.05	0.05
		Pd Carbon	0.10	0.10
		Isopropyl Alcohol	1.00	1.00
		Thionylchloride	0.88	0.88
		Di-n-butylformamide	0.40	0.40
		Propyl acetate	1.30	1.30
		Hydrogen sulphate	0.24	0.24
		sodium hydroxide	0.29	0.29
		Triethyl amine	1.00	1.00
		Methanol	1.00	1.00
45	Tefuryltrione (AE-473)	6-chloro-3-(methylsulfonyl)-2-[(tetrahydrofuran-2-yl methoxy)methyl]benzoic acid	0.81	0.81
		Cyclohexane-1,3-dione	0.26	0.26
		Thionyl dichloride	0.28	0.28
		Triethyl amine	1.00	1.00
		Xylene	0.75	0.75

		pd/ Carbon	0.10	0.10
		Acetonitrile	1.00	1.00
46	DCIT Acid	Sodium cyanide	0.54	0.54
		Carbondisulfide	0.49	0.49
		DMF	4.00	4.00
		Chlorine	0.76	0.76
		Hydrogen Chloride	0.19	0.19
		sodium hydroxide	0.21	0.21
47	Penoxasulam	5,8-Dimethoxy-[1,2,4]triazolo[1,5-c]pyrimidin-2-amine	0.42	0.42
		2-(2, 2- difluroethoxy)-6-(Trifluoromethyl) benzene-1-Sulfonyl chloride	0.69	0.69
		Toluene	1.00	1.00
48	Dinotefuran	Dimethyl sulfate	1.00	1.00
		Urea	0.51	0.51
		MIBK	0.80	0.80
		Sulphuric acid	1.20	1.20
		Methylamine HCl	0.44	0.44
		DMF	0.67	0.67
		1-(oxan-4-yl)methanamine	0.09	0.09
		IPA	0.34	0.34
49	**DioxazinPhenol**	Methyl Salicylate	0.60	0.60
		ChloroEthyacetate	0.76	0.76
		Potassium Carbonate	0.19	0.19
		DMF	2.00	2.00
		NaOH	0.20	0.20
		Acetic anhydride	0.60	0.60
		DCM	0.30	0.30
		Dil. H2SO4	1.00	1.00
		Methanol	0.93	0.93
		O-Methyl Hydroxylamine.HCl	0.05	0.05
		Benzo furan mono oxime	0.10	0.10
		Ethyl Acetate	1.00	1.00
		t-Butyl Nitrite	0.88	0.88
		2-Chloro Ethanol	0.40	0.40
		DMSO	1.30	1.30
		K2CO3	0.24	0.24
50	CTCM-CP	Tricyclo[5.2.1.o2,6]deca-3,8-diene (DCDP)	0.64	0.64
		Carbon tetrachloride	0.72	0.72
		MIBK	1.2	1.2
		Xylene	1.2	1.2

51	CVPMS	1-Chloro-2-methyl-3-nitrobenzene	0.85	0.85
		p-formaldehyde	0.15	0.15
		Dimethylacetamide	1	1
		Potassium hydroxide	0.61	0.61
		Hydrogen	0.03	0.03
		Raney Nikel	0.05	0.05
		Acetonitrile	1	1
		n-butylnitrile	0.49	0.49
		1,2 dichloroethane	3.5	3.5
		Trifluoroacetic acid	0.3	0.3
		Sodium hydroxide	0.2	0.2
		Hydrochloric acid	0.2	0.2
		Toluene	1	1
		Dimethyl Sulfoxide (DMSO)	1	1
		Methane sulfonyl chloride	0.51	0.51
		Triethyl amine	0.8	0.8
		Methyl Iso Butyl Ketone	1.2	1.2
		1-Chloro-2-methyl-3-nitrobenzene	0.85	0.85
52	Aminocyclopyrachlor(MAT28)	Cyclopropanecarboxamide	0.44	0.44
		Dimethylsulphate	0.67	0.67
		Ammonia	0.09	0.09
		Methanol	0.34	0.34
		Toluene	0.6	0.6
		Diethyl Oxalate	0.76	0.76
		Hydrochloric acid	0.19	0.19
		Ethyl acetate	2	2
		Sodium Hydroxide	0.2	0.2
		Thionyl dichloride	0.6	0.6
		Sodium chloride	0.3	0.3
		N-Formyloioerdine	1	1
53	Piperidine-4-carbothioamide(PITAM)	Isonicotinamide	0.93	0.93
		Hydrogen	0.05	0.05
		Pd Carbon	0.1	0.1
		Isopropyl Alcohol	1	1
		Thionylchloride	0.88	0.88
		Di-n-butylformamide	0.4	0.4
		Propyl acetate	1.3	1.3
		Hydrogen sulphate	0.24	0.24
		sodium hydroxide	0.29	0.29
		Triethyl amine	1	1
		Methanol	1	1
54	Tefuryltrione(AE-473)	6-chloro-3-(methylsulfonyl)-2-[(tetrahydrofuran-2-yl methoxy)methyl]benzoic acid	0.81	0.81
		Cyclohexane-1,3-dione	0.26	0.26

		Thionyl dichloride	0.28	0.28
		Triethyl amine	1	1
		Xylene	0.75	0.75
		pd/ Carbon	0.1	0.1
		Acetonitrile	1	1
55	DCIT Acid	Sodium cyanide	0.54	0.54
		Carbondisulfide	0.49	0.49
		DMF	4	4
		Chlorine	0.76	0.76
		Hydrogen Chloride	0.19	0.19
		sodium hydroxide	0.21	0.21
		Sodium cyanide	0.54	0.54
56	DCIT Acid(550 I Acid	5-methyl-1-(3-methylbutan-2-yl)-1H-pyrazole-4-carboxylic acid (550 Acid)	0.700	0.700
		Thionyl Chloride	0.424	0.424
		Toluene	2.200	2.200
		DMF	0.800	0.800
		N-ethylpyridazin-4-amine (EAP)	0.426	0.426
		Triethyl amine	1.100	1.100
57	RATM	2,2,4-trimethyl-1-2-dihydroquioline (TMDQ)	1.410	1.410
		Acetic anhydride	0.831	0.831
		Hydrogen gas	0.016	0.016
		pd/Carbon	0.120	0.120
		Methanol	1.000	1.000
		Thionyl dichloride	0.911	0.911
58	XDE-659	3-hydroxy-4-methoxypicolinic acid	1.086	1.086
		Acetic anhydride	0.656	0.656
		Pyridine	0.508	0.508
		Methyl tert butyl ether	1.000	1.000
		Heptane	2.000	2.000
		Tetraethyl amine	0.630	0.630
		2,2-dimethylpropanoyl chloride	0.728	0.728
		Potassium Carbonate	0.150	0.150
		DCM	3.200	3.200
		XDE-647	2.085	2.085
		HCl	0.150	0.150
		Isopropanol	0.800	0.800
59	Fenpicoxamid(XDE-77**7)**	Isobutyric acid	0.158	0.158
		Thionyl dichloride	0.213	0.213
		Isobutyryl chloride	0.185	0.185
		Formaldehyde	0.052	0.052
		Zinc chloride	0.120	0.120
		Thinoyl chloride	0.150	0.150

		XDE-642188	0.865	0.865
		Disodium carbonate	0.178	0.178
		Butanol	1.000	1.000
		Ethyl acetate	1.500	1.500
61	PSI	Ethyl Vinyl Ether (EVE)	-	0.36
		Trifluoro acetyl chloride (TFAC)	-	0.65
		Pyridine	-	0.45
		DCM	-	0.80
		Sodium chloride	-	0.15
		Sodium thiomethoxide	-	0.35
		Acetic acid	-	0.58
		Crotonaldehye	-	0.35
		Pyrrolidine	-	0.35
		Ammonia	-	0.08
		Toluene	-	5.35
62	Proquinazid	KV-545	-	0.98
		Phosgene	-	0.28
		Xylene	-	2.90
		Sodium Propoxide	-	0.23
		Propanol	-	1.20
63	CIS-Chalone	CS-Amide (s)	-	0.57
		DCF-TFAP	-	0.51
		Mono Chlorobenezene	-	1.35
		Tryethyl amine (TEA)	-	1.50
		4-Dimethylaminopyridine (DMAP)	-	0.12
		Acetic anhydride	-	0.05
		Mono Chlorobenezene	-	1.60
		Methyl Cyclohexane	-	1.20
		Hydrochloric acid	-	0.57
64	5501	Ethyl acetoacetate	-	0.55
		Tri Ethyl orthoformate	-	0.63
		Acetic anhydride	-	0.43
		Toluene	-	4.05
		Methyl propyl ketone	-	0.36
		Hydrazine Hydrate	-	0.21
		Methyl tert-butyl ether	-	2.00
		Hydrogen Gas	-	0.02
		Methanol	-	2.00
		Pd/carbon	-	0.15
		Sulphuric acid	-	0.51
		Sodium Hydroxide	-	0.15
		Thionyl Chloride	-	0.42
		DMF		0.80
		N-ethylpyridazin-4-amine (EAP)	-	0.42
		Triethyl amine	-	1.20

PART – C
Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

S.No	Pollutants	Quantity of pollutants Discharged (mass/day)	Concentrations of Pollutants In Discharges(mass/Volume)			Percentage of Variation from prescribed Standards with Reasons
			Parameter	Standard Value	Measured value (2023-24 Avg. value)	
A	Water	802.39 KLD	**ETP – 1**			0 % variation from APPCB standards
			pH	**6.5-8.5**	**7.7**	
			COD mg/lt	**225**	**180.3**	
			BOD mg/lt	**100**	**59.10**	
			TSS mg/lt	**100**	**31.30**	
			Oil & Grease mg/lt	**10**	**Nil**	
			Arsenic mg/lt	**0.2**	**<0.01**	
			Phenol &Phenolic compounds	**1.0**	**0.28**	
			ETP – 2			
			pH	**6.5-8.5**	**7.40**	
			COD mg/lt	**225**	**174.60**	
			BOD mg/lt	**100**	**53.70**	
			TSS mg/lt	**100**	**27.2**	
			Oil & Grease mg/lt	**10**	**Nil**	
			Arsenic mg/lt	**0.2**	**<0.01**	
			Phenol &Phenolic compounds	**1.0**	**0.2**	
B	Air (AAQM - 1)	PM10 µg/M^3		**100**	73.50	0 % variation from APPCB standards
		PM2.5 µg/M^3		**60**	29.08	
		SO2 µg/M^3		**80**	12.20	
		NOx µg/M^3		**80**	14.98	
		NH3 µg/M^3		**400**	13.2	
		O3 µg/M^3		**100**	17.17	
		CO mg/M^3		**2.0**	0.5	
	Air (AAQM - 2)	PM10 µg/M^3		**100**	77.75	
		PM2.5 µg/M^3		**60**	36.83	
		SO2 µg/M^3		**80**	15.09	
		NOx µg/M^3		**80**	19.28	
		NH3 µg/M^3		**400**	12.92	
		O3 µg/M^3		**100**	22.33	
		CO mg/M^3		**2.0**	0.29	

C	**Emission (Boiler Stacks)**	PM mg/NM^3	**115**	69.67	
		SO2 mg/NM^3	**-**	72.83	
		NOX mg/NM^3	**-**	81.58	
	Emission (Power Plant Stacks)	PM mg/NM^3	**30**	16.83	0 % variation from APPCB standards
		SO2 mg/NM^3	**100**	12.42	
		NOX mg/NM^3	**100**	87.00	

PART-D

HAZARDOUS WASTES

As specified under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016

S.No.	Hazardous waste	Total Quantity (Kg)	
		During the current financial year 2022-23	During the current financial year 2023-24
a)	From Process (Organic Residue)	7326190	7590640
b)	From pollution control facility (MEE salt)& ETP Sludge	7004240	615960
c)	Waste oils (ltrs)	6870	7360

PART-E

SOLID WASTES

S.No.	Solid waste	Total Quantity (Kg)	
		During the current financial year 2022- 2023	During the current financial year 2023-2024
a)	From Process	7326190	7590640
b)	From pollution control facility	7004240	615960
c)	i) Quantity recycled or re-utilized within the unit		
	f. Sold		
	g. Disposed	13780980	8356351
	h. waste oils (Lts)	15040	7450

PART – F

PLEASE SPECIFY THE CHARACTERIZATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES

The inorganic hazardous waste generated from the process and multiple effect Evaporators is collected in Jumbo bags and then disposed to Secured land fill located at the Pharma City, Visakhapatnam.

The handling, storage and transport of hazardous wastes are carried out in strictly compliance with the Hazardous wastes (management, handling and transboundary movement) Rules 2016

Organic waste generated from the process is stored in sealed metal drums and disposed through APEMC to AFRF / Cement industries for co processing purpose. Online Manifest are maintained and is being submitted to the Pollution Control Board from time to time.

PART – G

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

The pollution control measures form integral part of processes and modifications are done to reduce the generation of effluents / air emissions. This has resulted in reduction of consumption of water, raw materials and energy over a period of time. All these measures to conserve

natural resources and help cost savings.

Most of the pollutants generated are controlled at source by Scrubbers, APCF like Bag filters, Electro Static Precipitators, etc---

Examples. :

1. Lime powder dosing system is provided in ESP to control SO2 emissions to meet the standards.
2. Dust suppression, dust extraction systems, ESP were working properly which is connected to 25 MW & 37 MW 37 MW Co-gen power plant and online continuous Emission Monitoring system provided to stacks and monitoring data uploaded to CPCB and APPCB servers.

3. Emergency response Mobile vehicle with all safety equipment's for Emergency Handling is available
4. Powder Transfer Systems (PTS) installed to all solid / powder material charging.
5. Energy conservation during the this financial year is approx. 110500 units is saved.
6. By products from waste is segregated and recycled to preprocessors
7. Cooling towers makeup water reduction and Cooling towers blow down water recycled to scrubber's makeup water.
8. Extensive tree plantation is taken as continuous programme as a part of green belt development to maintain eco balance
9. Fly ash is disposed to local brick manufactures and filling in low level areas, roads in site.
10. Noise level, Water quality and ground water quality is monitored periodically through an approved agency and is found within prescribed limits.
11. Preventive maintenance of machineries is carried out properly to control the noise level below 85 db in the work environment
12. Used batteries and waste oil recycled to processors.
13. Nitrogen padding is provided to all storage tanks, Filters, Dryers, charging tanks to prevent emissions, fire risk and cross contamination
14. Periodical monitoring of Air, Stacks, water, Ambient Air quality, VOC, Noise is being carried out by an approved external authorized agency and found within permissible limit.
15. Online TOC, PH, TSS, COD & BOD is installed to marine discharge pipeline and monitoring data connected to APPCB & CPCB servers
16. Two continuous Ambient Air Quality monitoring stations (CAAQMS) have been installed and the real time monitoring of air quality paramenters for effective control of air pollution.is being uploaded to APPCB and CPCB servers
17. Toxic, Flammable & Oxygen monitoring sensors at required areas.

Chemical Name	Total No of sensors
Acetylene (QC Lab)	02
Acrylonitrile	01
Ammonia	05
Bromine	19
Carbon Monoxide	16
Chlorine	38
Hydrogen	16
Hydrogen Chloride	06
Hydrogen Sulfide	03
Hydrogen Cyanide	08
LEL	12
Oxygen	63
Phosgene	36
Sulphur dioxide	03
Tri Methyl Amine	01

PART – H

ADDITIONAL MEASURES / INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION, PREVENTION OF POLLUTION.

1. Greenbelt development by planting 15000 trees
2. Water conservation programs
3. Energy conservation Programmes
4. Sand filter and carbon filters to be provided to ETP outlet for further improvement of Treated effluent.
5. Drum detoxification facility with automation constructed at Expansion plant also
6. Green belt developed about 15000 saplings

PART – I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.

The environment policy of the organization is integrated with the QSHE policy of the company. It focuses on not only safeguarding the environment but also bringing about continual improvement in environmental performance through reducing environmental impacts, resource conservation, improving energy efficiency, involvement of all and implementing strategic initiatives.

Environmental monitoring is being carried out

- An Environmental cell has been established and operated for monitoring and implementation of safeguard measures for environmental parameters.
- Expenditure incurred on Environment and pollution control during the year 2023-24 is approx. 1680.0 lakhs
- Environmental information w.r.t Air, Water, Hazardous waste, chemicals are displayed through digital display boards at the main entrances of gates for public review.
- Solar power plants installed on parking roofs and generates 1200 Units is used
- To verify the result of the impact assessment study in particular with regard to new developments;
- To follow the trend of parameters which have been identified as critical; To check or assess the efficacy of the controlling measures;
- To ensure that new parameters, other than those identified in the impact assessment study, do not become critical through the commissioning of new installations;
- To check assumptions made with regard to the development and to detect deviations in order to initiate necessary measures; and To establish a database for future Impact Assessment Studies for new projects
- Closed handling systems with local exhaust ventilation (LEV) to avoid human exposure & Air pollution.
- All process reactors and dryers are provided with Safety Relief Vent & Rupture Disc in parallel and vent is connected to catch tank.
- Predictive Maintenance and Preventive Maintenance Schedules are placed for
  - Process equipment -Reactors, tanks, ANFD, dryers, pumps etc. ,
  - Utility equipment -Cooling towers, chillers, Vapor Absorption Machines, Nitrogen & Air generators etc.
  - Electrical Equipment - Transformers, diesel generators, lighting arrestors, panel rooms etc.
  - Firefighting equipment's.
- Calibration Schedules are placed for instruments -temperature transmitters, pressure transmitter, level transmitter, flow meters, gas detection sensors, proximity sensors etc.
- The management has carried out pollution abatement and environmental protection measures as instructed in CFO.

- Deccan has following by Environmental Management Systems (ISO 140001) , Energy Management Systems (ISO :50001) , occupational health and safety (OH&S) management system (ISO:45001) , Quality Management Systems (ISO: 9001), Responsible Care and Sustainability Audits systems.
- Continuous improvements of technology towards upgradation of operational systems
- Energy conservation plan and conducted energy audit through BVI
- Optimizing consumption of Raw materials on continuous basis by efficient monitoring and control through DCS with avoids the human mistakes and rejection of intermediate products at different stages.
- Replacement of lamps with energy efficient LED bulbs to save energy and avoid or reduce generation of e-waste
- Online monitoring system is installed for all stacks and data is displayed at main entrance of the gates

GREEN BELT DEVELOPMENT

The main objective of the green belt is to provide a barrier between the plant and the surrounding areas. The green belt helps to capture the fugitive emissions and to attenuate the noise generated in the plant apart from improving the aesthetics of the plant site. In order to control the industrial pollutants, dense tree plantations are necessary. As the sedimentation pattern of the pollutants, ambient and ground level concentration of pollutants are usually determined by the direction and speed of prevailing wind and vertical and horizontal thermal gradients prevailing in the area, the belt of plantations will be designed accordingly. The width of the tree belt depends on the gaseous emissions, availability of land and site characteristics etc. Geometry of planting of tree is more important in order to have effective wind break by the plantation. For an effective green belt, a mixture of tree species is necessary and some shrubs and grasses will be inter-cropped.

Selection of species shall meet following criteria

- Should be a fast growing type;
- Should have a thick canopy cover;
- Should be perennially green;
- Should be preferably of native origin; and
- Should have a large leaf area index.

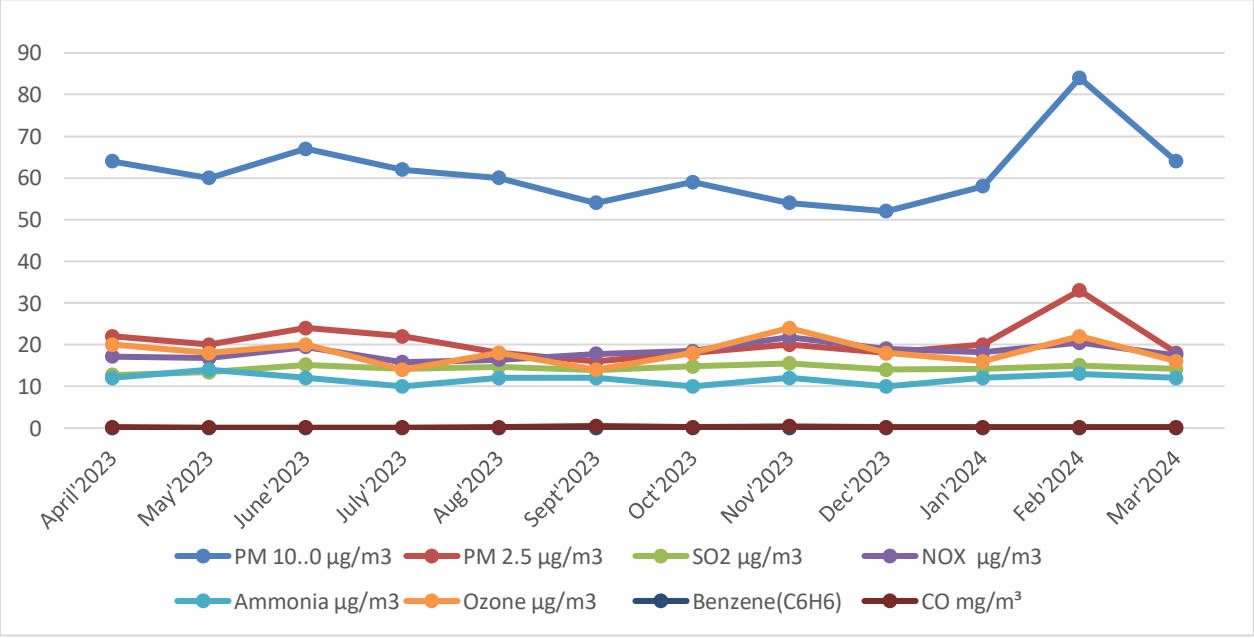
ENVIRONMENT STATUS

AMBIENT AIR QUALITY:

Ambient Air Quality in and around the industry was carried out and the concentrations of PM_{10},$PM_{2.5,}$, SO_2, NO_X,NH3,O3,Ni,As,Pb,C6H6,CO Benzopyreneare found to be well within the limits prescribed by APPCB. The monitoring data trend observed at the Four locations are provided below

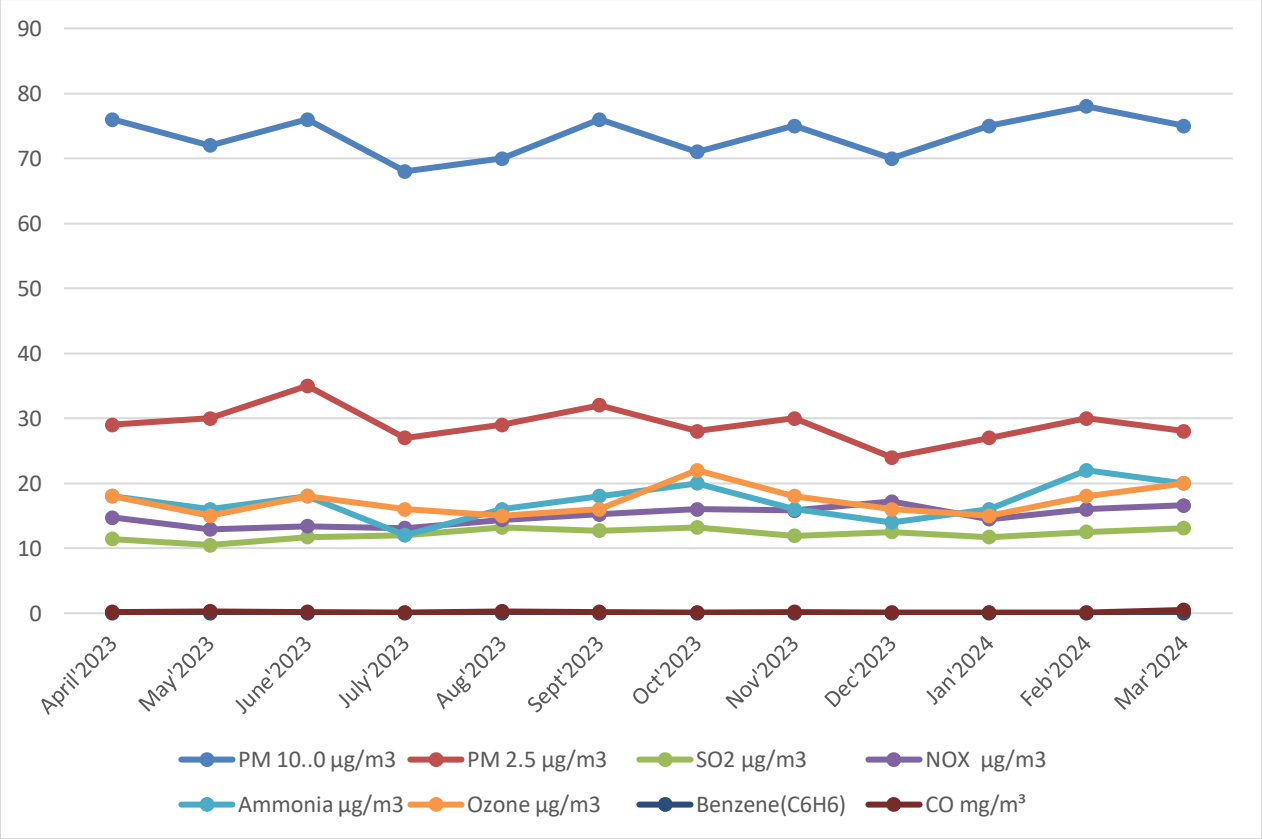
Location : Near Security gate

NO	Parameter	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Values		
														Min	Max	Avg
1	PM $_{10}$ µg/M³	63	60	67	62	60	54	59	54	52	58	84	64	52	84	62
2	PM $_{2.5}$µg/M³	20	20	24	22	18	16	18	20	18	20	33	18	16	33	21
3	SO2µg/M³	11.2	13.4	15.2	14.2	14.7	13.9	14.8	15.5	14.0	14.2	15.0	14.2	11.2	15.5	14.1
4	NOXµg/M³	15.6	16.8	19.5	15.8	16.4	17.8	18.5	21.8	19.0	18.2	20.5	17.5	15.6	21.8	18.2
5	NH3µg/M³	18	14	12	10	12	12	10	12	10	12	13	12	10	18	12.5
6	O3µg/M³	18	18	20	14	18	14	18	24	18	24	22	16	14	24	19
7	C6H6µg/M³	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	CO Mg/M³	0.5	0.1	0.1	0.1	0.2	0.2	0.2	0.4	0.2	0.2	03	0.2	0.25	0.5	0.1



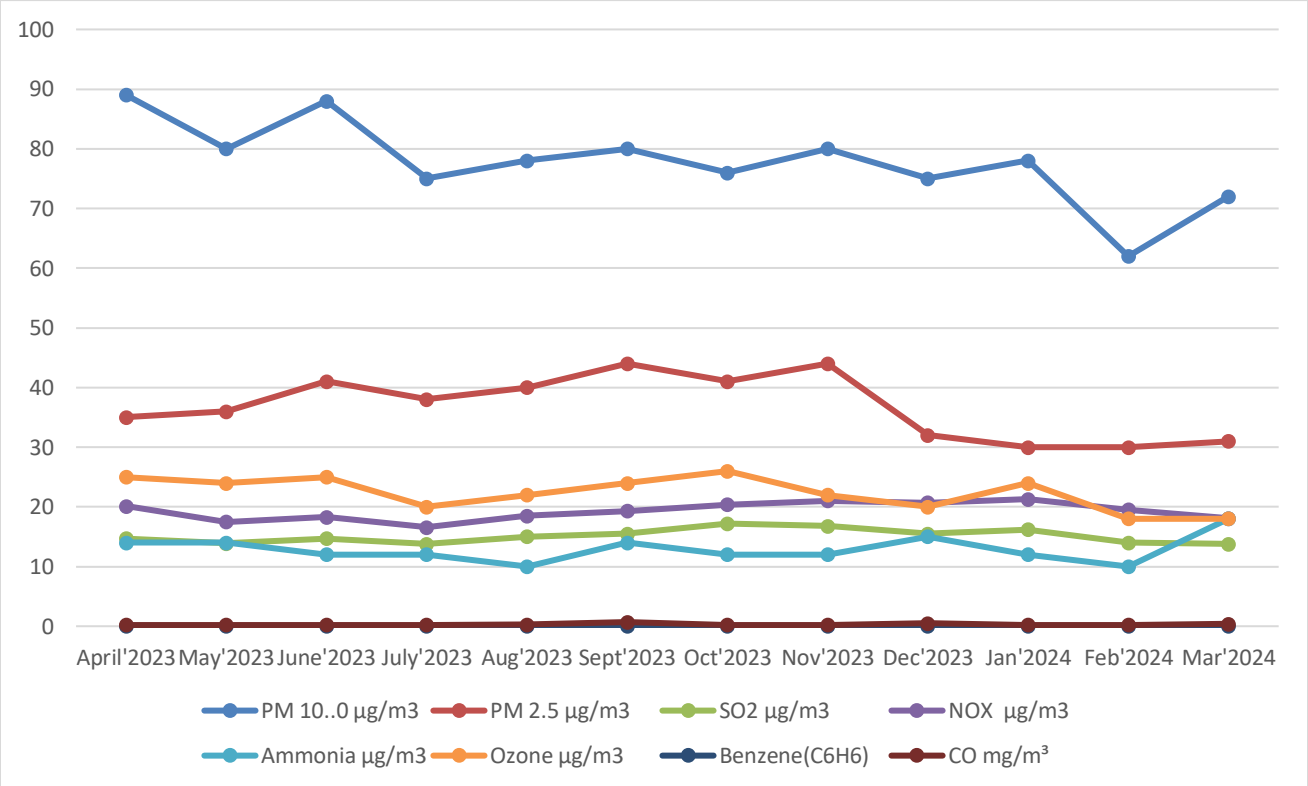
Location: Near ETP

NO	Parameter	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Values		
														Min	Max	Avg
1	PM $_{10}$ µg/M^3	75	72	76	68	70	76	71	75	70	75	78	75	68	78	73
2	PM $_{2.5}$µg/M^3	35	30	35	27	29	32	28	30	24	27	30	28	24	35	30
3	SO2µg/M^3	12.1	10.5	11.7	12.0	13.2	12.7	13.2	11.9	12.5	11.7	12.5	13.1	10.5	13.2	12.2
4	NOXµg/M^3	17.4	12.9	13.4	13.1	14.4	15.2	16.0	15.8	17.2	14.5	16.0	16.6	12.9	17.4	15.2
5	NH3µg/M^3	24	16	18	12	16	18	20	16	14	16	22	20	12	24	18
6	O3µg/M^3	20	15	18	16	15	16	22	18	16	15	18	20	15	22	18
7	C6H6µg/M^3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	CO Mg/M^3	0.3	0.3	0.2	0.1	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.26	0.4	0.1



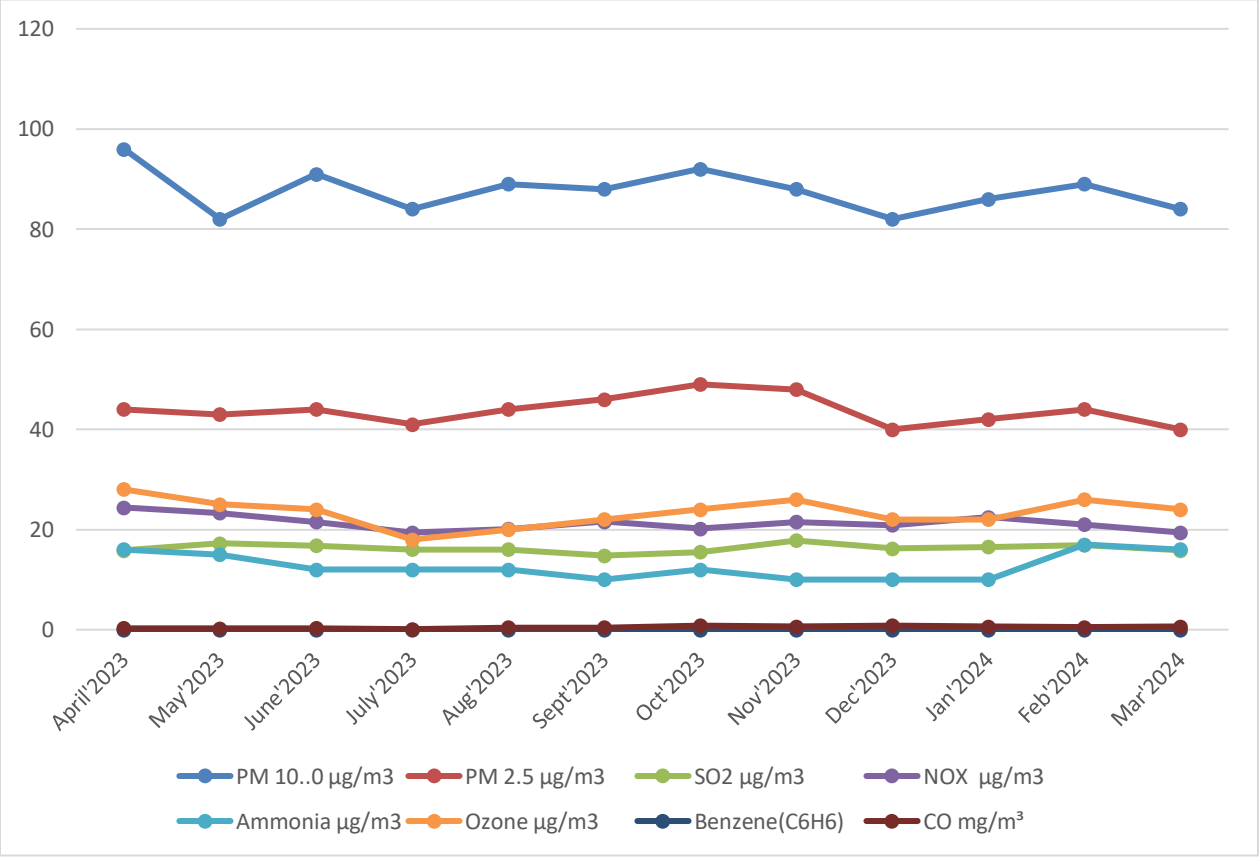
Location: Near Production Block

NO	Parameter	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Values		
														Min	Max	Avg
1	PM $_{10}$ µg/M^3	76	80	88	75	78	80	76	80	75	78	62	72	**62**	**88**	**76**
2	PM $_{2.5}$µg/M^3	37	36	41	38	40	44	41	44	32	30	30	31	**30**	**44**	**37**
3	SO2µg/M^3	13.8	13.9	14.7	13.8	15.0	15.5	17.2	16.8	15.5	16.2	14.0	13.8	**13.8**	**17.2**	**15.1**
4	NOXµg/M^3	18.2	17.5	18.3	16.6	18.5	19.3	20.4	21.0	20.7	21.3	19.5	18.1	**16.6**	**21.3**	**19.1**
5	NH3µg/M^3	16	14	12	12	10	14	12	12	15	12	10	18	**10**	**18**	**13**
6	O3µg/M^3	24	24	25	20	22	24	26	22	20	24	12	18	**12**	**26**	**21**
7	C6H6µg/M ^{3}	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	,<0.1	<0.1	<0.1	<0.1	<0.1
8	CO Mg/M^3	0.7	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.5	0.2	0.7	0.4	**0.37**	**0.8**	**0.1**



Location: NEAR WARE HOUSE

NO	Parameter	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Values		
														Min	Max	Avg
1	PM $_{10}$ µg/M^3	92	82	91	84	89	88	92	88	82	86	89	84	**82**	**92**	**87**
2	PM $_{2.5}$µg/M^3	44	43	44	41	44	46	49	48	40	42	44	40	**40**	**49**	**44**
3	SO2µg/M^3	17.6	17.2	16.8	16.0	16.0	14.8	15.5	17.8	16.2	16.5	16.9	15.8	**14.8**	**17.8**	**16.4**
4	NOXµg/M^3	26.8	23.3	21.5	19.4	20.1	21.6	20.2	21.5	20.9	22.5	21.0	19.4	**19.4**	**26.8**	**21.7**
5	NH3µg/M^3	12	15	12	12	12	12	12	10	10	10	17	16	**10**	**17**	**12.6**
6	O3µg/M^3	22	25	24	18	20	22	24	24	22	22	26	24	**18**	**26**	**23**
7	C6H6µg/M^3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	,<0.1	<0.1	<0.1	<0.1	<0.1
8	CO Mg/M^3	0.6	0.2	0.3	0.1	0.4	0.4	0.8	0.3	0.8	0.6	0.5	0.4	**0.46**	**0.9**	**0.2**

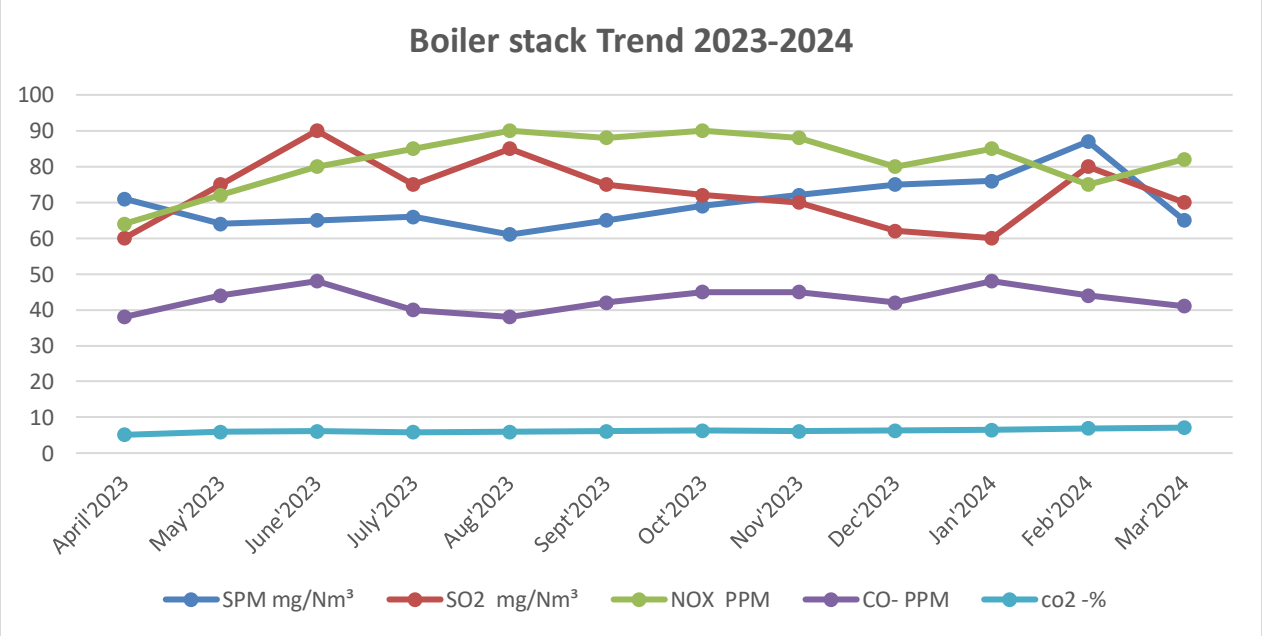


SOURCE EMISSIONS:

The point source emissions are from stack attached to Boiler and DG Stacks. The DG sets are operated in case of power disruptions. The emissions from the stacks are continuously monitored. The data generated from boiler stack monitoring for the year 2023-24 is presented in the form of graphs

Boiler Stack Emissions:

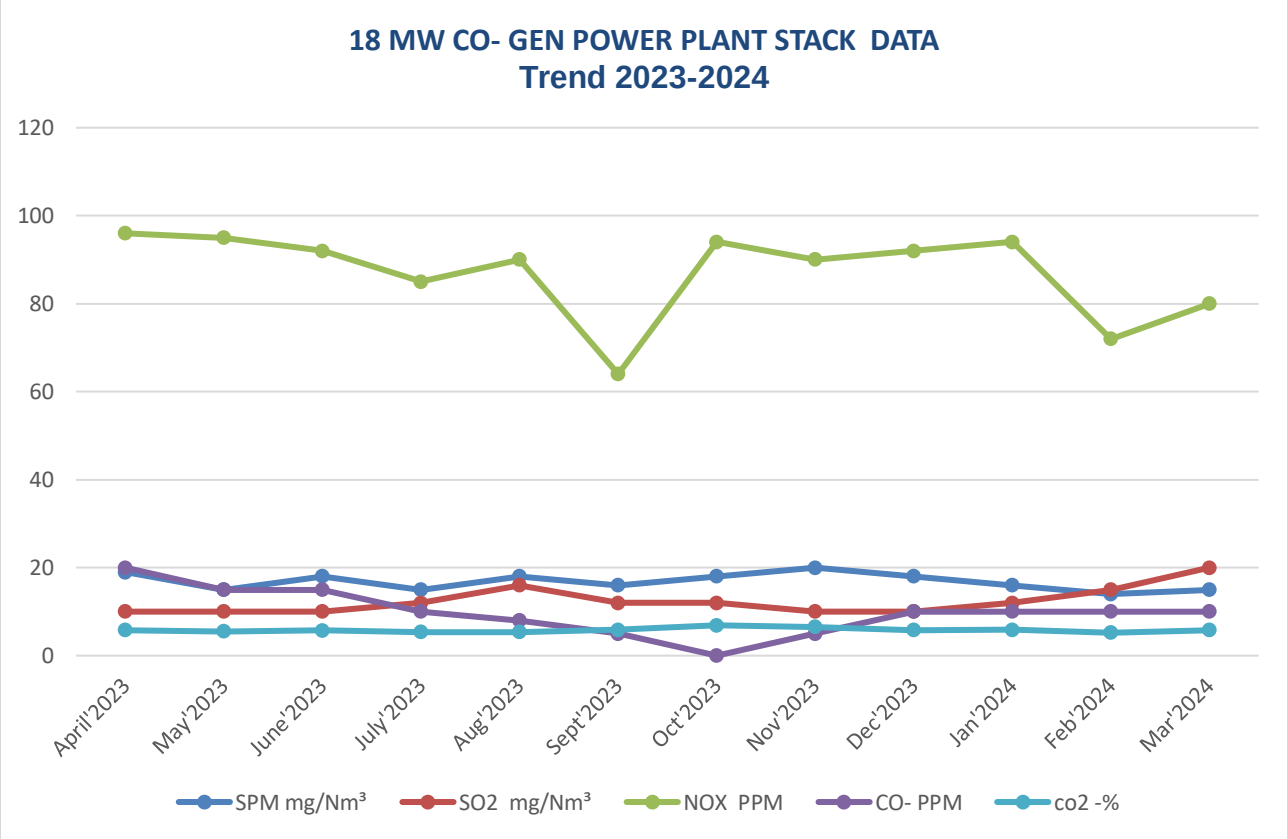
Month	PM mg/NM^3	SO_2 mg/NM^3	NO_x mg/NM^3	CO2 %	CO%
APR'23	71	60	64	5.1	0.0038
MAY'23	64	75	72	5.9	0.0044
JUN'23	65	90	80	6.1	0.0048
JULY' 23	66	75	85	5.8	0.0040
AUG'23	61	85	90	5.9	0.0038
SEP '23	65	75	88	6.1	0.0042
OCT '23	69	72	90	6.3	0.0045
NOV' 23	72	70	88	6.1	0.0045
DEC' 23	75	75	85	6.3	0.0042
JAN'24	76	60	85	6.5	0.0048
FEB'24	87	80	75	6.9	0.0044
MAR'24	65	70	82	7.1	0.0041
Avg	**65**	**102**	**50.9**	**4.5**	**0.003**
Max	**78**	**160**	**58**	**5.4**	**0.004**
Min	**57**	**75**	**40**	**3.8**	**0.0022**



ANNEXURE-
STACK EMISSIONS DATA

18 MW CO- GEN POWER PLANT STACK DATA

Month	PM mg/NM^3	SO_2 mg/NM^3	NO_x mg/NM^3	CO2 %	CO%
APR23	19	10	92	5.8	0.002
MAY23	15	10	95	5.5	0.00015
JUN23	18	10	92	5.7	0.0015
JULY 23	15	12	85	5.4	0.001
AUG23	18	10	95	5.4	0.0008
SEP 23	16	12	92	5.9	0.0005
OCT 23	18	12	94	6.9	0.0005
NOV 23	20	10	90	6.5	0.0005
DEC 23	18	10	92	5.8	0.001
JAN24	16	12	94	5.9	0.001
FEB24	14	15	72	5.1	0.001
MAR24	15	15	80	5.8	0.0010
Avg	15	56	79.9	9.3	0.004
Max	18	180	301	13.4	0.0095
Min	12	10	24	5.6	0.0005

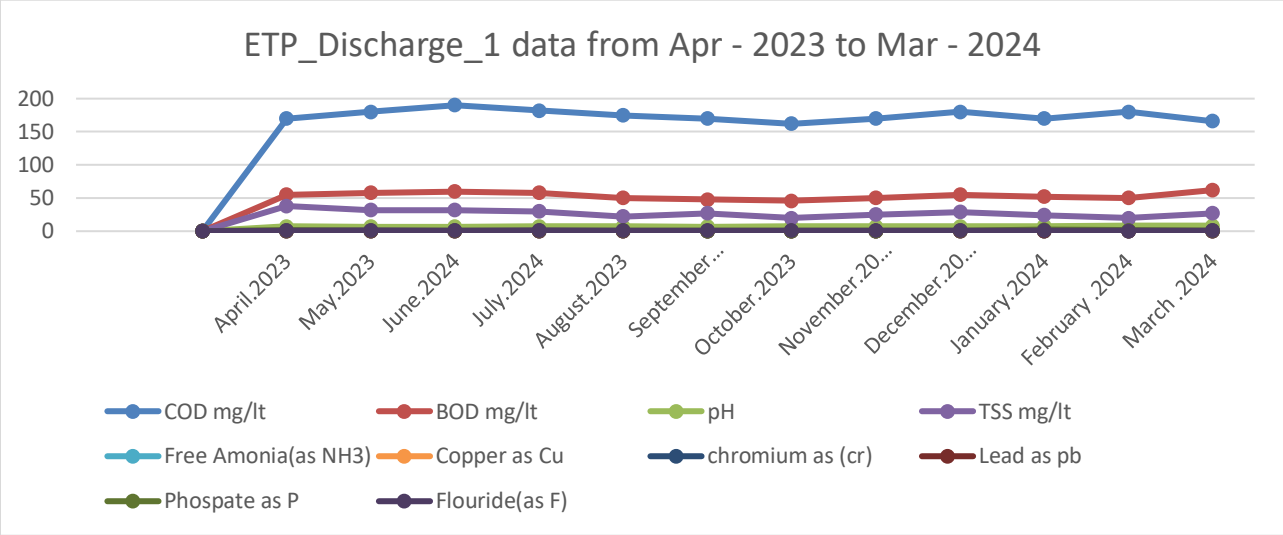


WASTE WATER MANAGEMENT:

The waste water generated in the processes are treated in a dedicated ETP. Treated water Analysis reports carried out by Recognized laboratory as third agency for the year2023-24 are presented in the table

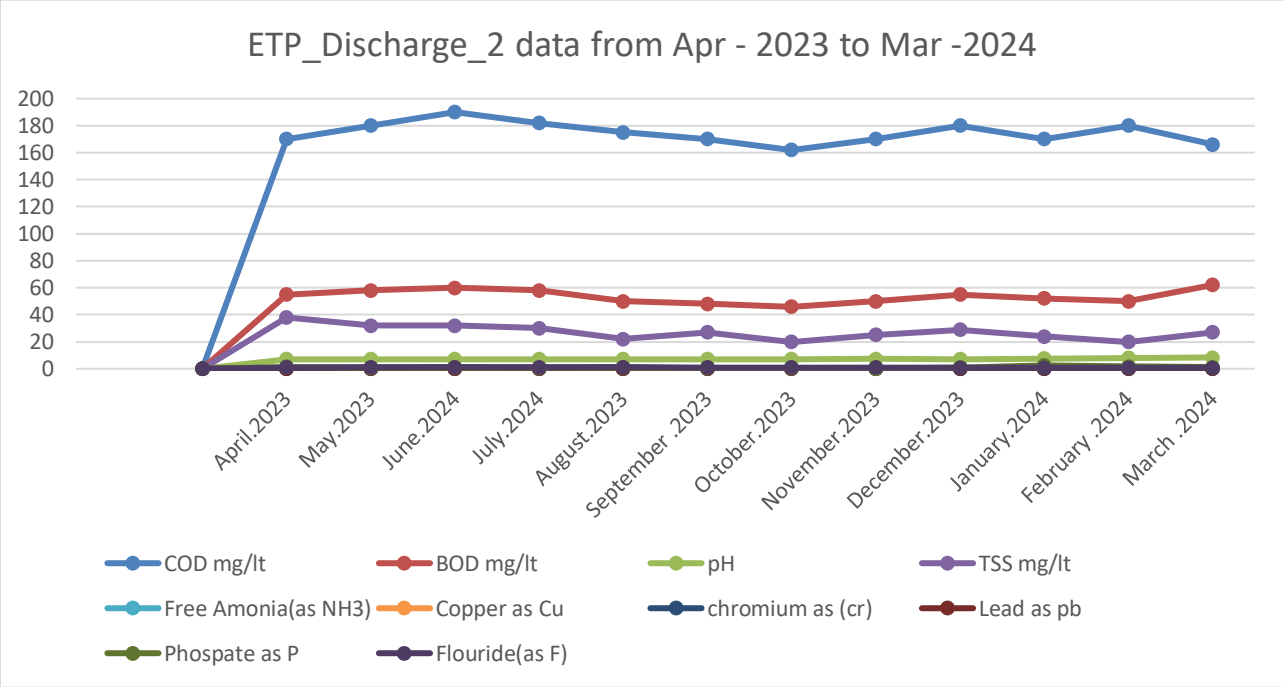
ETP_Discharge_1

Month	COD mg/lt	BOD mg/lt	pH	TSS mg/lt	Free Amonia (as NH3)	Copper as Cu	chromium as (cr)	Lead as pb	Phosphate as P	Flouride(as F)
	225 mg/lt	100mg/lt	6.5 - 8.5	100mg/lt	5 mg/lt	1 mg/lt	2 mg/lt	2 mg/lt	5 mg/lt	15 mg/lt
APR23	160	62	7.7	30	0.1	0.001	0.02	0.12	1	1.3
MAY23	190	65	7.8	35	0.2	0.001	0.02	0.14	0.6	1.2
JUN23	195	69	7.6	38	0.1	0.001	0.02	0.15	0.8	1.2
JULY 23	185	62	8.2	30	0.1	0.001	0.02	0.11	0.5	1.1
AUG23	170	54	7.8	35	0.1	0.001	0.02	0.1	0.3	1.0
SEP 23	190	67	7.6	28	0.1	0.001	0.04	0.1	0.2	1.0
OCT 23	192	67	7.5	28	0.1	0.001	0.05	0.1	0.1	1.0
NOV 23	190	65	7.4	30	0.1	0.001	0.05	0.1	0.1	1.2
DEC 23	150	30	7.4	26	0.1	0.001	0.05	0.1	2.0	0.80
JAN24	160	35	7.6	30	0.1	0.001	0.05	0.1	2.0	0.70
FEB24	190	65	8	33	0.1	0.001	0.05	0.18	2.50	0.70
MAR24	192	68	7.4	38	0.1	0.001	0.05	0.16	0.80	0.80



ETP_Discharge_2

Month	COD mg/lt	BOD mg/lt	pH	TSS mg/lt	Free Amonia (as NH3)	Copper as Cu	chromium as (cr)	Lead as pb	Phospate as P	Flouride(as F)
	225 mg/lt	100mg/lt	6.5 - 8.5	100mg/lt	5 mg/lt	1 mg/lt	2 mg/lt	2 mg/lt	5 mg/lt	15 mg/lt
APR23	170	55	7.2	38	0.1	0.001	0.01	0.09	1.5	1
MAY23	180	58	7	32	0.1	0.001	0.01	0.09	0.8	1.2
JUN23	190	60	7	32	0.1	0.001	0.01	0.08	0.95	1.1
JULY 23	182	58	7.2	30	0.1	0.001	0.01	0.06	0.8	1.2
AUG23	175	50	7.1	22	0.1	0.001	0.01	0.09	0.9	1.1
SEP 23	170	48	7	27	0.1	0.001	0.01	0.1	0.5	1.0
OCT 23	162	46	7.2	20	0.1	0.001	0.01	0.1	0.5	1.0
NOV 23	170	50	7.4	25	0.1	0.001	0.01	0.1	0.3	1.0
DEC 23	180	55	7.2	29	0.1	0.001	0.01	0.16	1.0	0.8
JAN24	170	52	7.5	24	0.1	0.001	0.01	0.18	2.5	0.8
FEB24	180	50	8	20	0.1	0.001	0.01	0.2	1.60	0.7
MAR24	166	62	8.4	27	0.1	0.001	0.01	0.17	1.20	0.8



SOLID WASTE MANAGEMENT:

The solid wastes generated from operations are ETP Sludge, solids generated from MEE drier. ETP sludge shall be utilized for manure processing and ATF drier solids are sent to TSDF. The quantities of wastes generated during 2023-24 are as follows

Sl. No	Year	Quantity of Hazardous waste as per authorisation (MTA)	Quantity of Hazardous waste generated as per Annual Return (MTA)	Quantity of Hazardous waste stored in the premises at the starting of the year	Quantity Disposed in captive SLF (MT)	Quantity Disposed through Common SLF at TSDF (MT)	Qunatity disposed capative incinerator (MT)	Quantity disposed through common incinerator at TSDF (MT)	Quantity disposed through AFR Facility (MT)	Quantity Co-Processed in Cement kiln (MT)	Quantity utilized under Rule 9 (MT)	Quantity sent to recyclers of Schedule - IV Hazardous wastes (MT)	Capative Utilization (MT)	Quantity of HW stored at occupier premises at the end of the year (MT)
1		4	5	6	7	8	9	10	11	12	13	14	15	16
1	2023-24	Organic Residue	7590.64	381.15	--	--	--	-	--		--	--	7716.61	255.18
		Salt from Forced Evaporation	5855.6	3040.92	--	6083.08	--	--	--		--	--	--	2813.44
		ETP Sludge from ASP (tons)	304.50	320.29	--	314.33	--	--	--	--	--	--	-	310.46
		Waste Oil (Lts)	7360	8400.5	--	--	--	--	--	--	--	7450	--	8310.5

		Contaners/ Container Liners	45516	32771								47885		30402
		Contaminated General Waste	1086.32	69.26	--	--	--	1148.26	--	--	--	--	--	7.32
		e-Waste kgs	1139	799.46	--	--	--	--	--	--	--	1030	--	908.46
		PPFRP Waste	101.55	29.1	--	--	--	--	--	--	--	--	101.550	130.65
		Spent Carbon & In organic Residue	958.16	21.13	--	--	--	--	--	--	--	--	658.16	321.13
		HDPE Bags & Polythene Bags	75.12	6.2	--	--	--	--	--	--	--	--	77.02	4.3
		Spent Solvents Generated	98374.32	--	--	--	--	--	--	--	--	--	93723.46	4650.86

LEGEND

No	Description of wase	Category	Approved Quantity MTPA
1	Organic Residue & Stripper solvent	29.1 of shedule-1	37.32 TPD & 3.5 TPD
2	Salt from Forced Evaporation	35.3 of shedule-1	55.93 TPD
3	ETP Sludge from ASP & Effluent Tanks Cleaning Sludge (tons)	34.4 of shedule-1	4.5 TPD &500TPA
4	Waste Oil (Ton)	5.1 of shedule-1	10 KL /Month
5	Container / Container linners(No's))	33.1 of shedule-1	9500 No's/Month
6	E waste(Kgs)	----	25 TPA
7	Contaminated General Waste	----	150 TPM
8	PPFRP Waste	----	80 TPA
9	Spent Carbon & In organic Residue	36.2 of shedule-1	40 TPM & 02 TPM
10	HDPE Bags & Polythene Bags	33.2 of shedule-1	470 Tons/Year
11	Spent Solvents Generated	29.4 of shedule-1	628.7 KLD